

Table 7-2.1: Modeled Receptors in the Cadna/A Model

Receptor ID	Tax Code	Participation Status	Receptor Type	Relative Receptor Height	Coordinates		Elevation + Receptor Height
					NAD83 2011 State Plane New York Central (FIPS 3102)		
					X	Y	Z
				(m)	(m)	(m)	(m)
2246	109.-1-22.21	Non-Participating	Other Structure	1.50	320049.57	322080.52	511.98
2247	109.-1-3.2	Non-Participating	Other Structure	1.50	318127.33	322688.93	531.83
2248	108.-2-40.1	Non-Participating	Other Structure	1.50	317000.80	322821.30	523.50
2249	108.-2-41.1	Non-Participating	Other Structure	1.50	317501.17	323331.39	501.97
2250	109.-1-20.122	Non-Participating	Other Structure	1.50	320284.65	322219.83	490.71
2251	108.-2-21.1	Non-Participating	Commercial Structure	1.50	315896.11	324135.52	441.61
2252	108.-1-10.12	Non-Participating	Other Structure	1.50	314311.30	323836.85	455.57
2253	110.-2-41	Non-Participating	Other Structure	1.50	321448.05	322679.46	465.08
2254	122.-2-7	Non-Participating	Other Structure	1.50	322454.19	321494.32	471.55
2255	122.-1-7.2	Non-Participating	Other Structure	1.50	322788.16	320590.09	453.29
2256	110.-2-43.2	Non-Participating	Other Structure	1.50	321506.83	322735.91	472.19
2257	109.-1-22.3	Non-Participating	Commercial Structure	1.50	320099.24	321915.01	513.73
2258	108.-2-17.1	Non-Participating	Commercial Structure	1.50	315364.83	323338.76	446.06
2259	109.-1-12.4	Non-Participating	Other Structure	1.50	319480.80	322537.90	507.88
2260	108.-2-15.1	Non-Participating	Other Structure	1.50	315825.24	323999.20	441.90
2261	109.-1-20.5	Non-Participating	Other Structure	1.50	319734.70	322582.16	517.11
2262	109.-1-13	Non-Participating	Other Structure	1.50	320005.93	322720.19	493.04
2263	122.-1-11.2	Non-Participating	Other Structure	1.50	323644.09	320846.32	454.99
2264	108.-2-17.4	Non-Participating	Other Structure	1.50	315589.26	323539.59	458.67
2265	109.-1-17.3	Non-Participating	Other Structure	1.50	319101.18	322547.51	500.04
2266	108.-1-3	Non-Participating	Other Structure	1.50	314015.93	324412.05	486.23
2267	108.-2-15.1	Non-Participating	Other Structure	1.50	315834.15	324000.79	442.03
2268	110.-2-43.1	Non-Participating	Other Structure	1.50	321670.28	322746.73	481.19
2269	109.-1-20.4	Non-Participating	Other Structure	1.50	319813.07	322633.01	512.65
2270	108.-2-17.1	Non-Participating	Commercial Structure	1.50	315430.40	323269.90	450.74
2271	110.-2-43.2	Non-Participating	Other Structure	1.50	321518.86	322735.63	473.18
2272	122.-2-8.12	Non-Participating	Year-Round Residence	1.50	322393.92	321271.49	472.98
2273	122.-1-7.3	Non-Participating	Seasonal Residence	1.50	323228.81	320305.64	480.28
2274	109.-1-21	Non-Participating	Other Structure	1.50	320123.08	322442.56	475.50
2275	110.-2-38.2	Non-Participating	Other Structure	1.50	320622.75	322395.61	471.85
2276	109.-1-4	Non-Participating	Other Structure	1.50	317639.38	322691.29	514.98
2277	109.-1-12.4	Non-Participating	Other Structure	1.50	319527.20	322513.06	506.13
2278	122.-2-8.11	Non-Participating	Year-Round Residence	1.50	322400.69	321167.43	470.86
2279	108.-2-13	Non-Participating	Other Structure	1.50	315815.59	324151.20	440.41
2280	108.-1-6.1	Non-Participating	Other Structure	1.50	314356.99	324372.35	473.02
2281	122.-1-7.4	Non-Participating	Other Structure	1.50	323007.40	320666.72	450.78
2282	108.-2-17.1	Non-Participating	Year-Round Residence	1.50	315427.17	323244.21	450.76
2283	110.-2-38.2	Non-Participating	Other Structure	1.50	320698.38	322515.38	467.77
2284	109.-1-17.1	Non-Participating	Other Structure	1.50	319080.34	322576.24	501.05
2285	110.-2-18	Non-Participating	Year-Round Residence	1.50	321281.75	323344.86	467.35
2286	108.-2-17.1	Non-Participating	Commercial Structure	1.50	315437.58	323321.57	449.99
2287	97.-1-24	Non-Participating	Other Structure	1.50	319349.55	323904.91	511.90
2288	109.-1-1.2	Non-Participating	Year-Round Residence	1.50	317714.28	323769.99	500.98
2289	96.-1-29	Non-Participating	Year-Round Residence	1.50	315802.63	325088.17	435.55
2290	108.-2-28	Non-Participating	Year-Round Residence	1.50	316680.98	324109.55	464.02
2291	98.-3-5.2	Non-Participating	Other Structure	1.50	320780.79	326136.43	445.84
2292	97.-2-2.1	Participating	Other Structure	1.50	317835.45	326202.77	527.66
2293	97.-2-8	Non-Participating	Commercial Structure	1.50	319039.77	327028.97	556.07
2294	89.-1-4.1	Non-Participating	Year-Round Residence	1.50	320793.90	328512.24	432.91
2295	88.-1-27.2	Non-Participating	Year-Round Residence	1.50	319964.32	329432.95	442.66
2296	88.-1-27.11	Non-Participating	Year-Round Residence	1.50	320015.01	329237.79	451.82

Table 7-2.1: Modeled Receptors in the Cadna/A Model

Receptor ID	Tax Code	Participation Status	Receptor Type	Relative Receptor Height	Coordinates		Elevation + Receptor Height
					NAD83 2011 State Plane New York Central (FIPS 3102)		
					X	Y	Z
				(m)	(m)	(m)	(m)
2297	97.-2-8	Non-Participating	Year-Round Residence	1.50	319023.18	326977.46	557.98
2298	80.-2-62	Non-Participating	Year-Round Residence	1.50	323840.75	329758.79	385.50
2299	70.-1-28	Non-Participating	Uninhabitable Residence	1.50	318489.23	333474.94	415.50
2300	87.-1-22	Non-Participating	Year-Round Residence	1.50	314994.79	328708.63	449.15
2301	70.-2-44.1	Non-Participating	Year-Round Residence	1.50	319061.13	333208.12	397.50
2302	70.-1-27	Non-Participating	Year-Round Residence	1.50	317634.41	333444.75	475.60
2303	80.15-1-4.1	Non-Participating	Other Structure	1.50	322825.06	330139.69	397.50
2304	78.-1-38.12	Non-Participating	Year-Round Residence	1.50	316723.50	330023.82	498.89
2305	69.-1-43	Non-Participating	Other Structure	1.50	315298.19	331494.85	467.57
2306	87.-1-9.1	Non-Participating	Year-Round Residence	1.50	313880.70	327015.38	433.33
2307	87.-1-19	Non-Participating	Year-Round Residence	1.50	315008.18	329053.93	445.47
2308	78.-1-3	Non-Participating	Year-Round Residence	1.50	315007.78	330770.16	447.91
2309	96.-2-6.1	Non-Participating	Other Structure	1.50	315245.36	326638.79	433.50
2310	86.-2-23	Non-Participating	Year-Round Residence	1.50	313500.02	328731.95	389.24
2311	69.-1-40.112	Non-Participating	Year-Round Residence	1.50	315619.09	332050.39	487.08
2312	87.-2-68	Non-Participating	Year-Round Residence	1.50	317322.62	327370.68	484.11
2313	78.-1-6.1	Non-Participating	Other Structure	1.50	314837.21	330359.69	462.36
2314	97.-1-10.1	Non-Participating	Other Structure	1.50	317450.15	323827.68	476.83
2315	108.-2-33.32	Non-Participating	Other Structure	1.50	317494.63	323738.77	483.19
2316	108.-2-33.32	Non-Participating	Other Structure	1.50	317498.91	323727.25	483.41
2317	108.-2-32	Non-Participating	Other Structure	1.50	317528.86	323754.60	484.53
2318	96.19-1-45	Non-Participating	Other Structure	1.50	315993.28	324226.41	442.37
2319	96.19-1-44	Non-Participating	Other Structure	1.50	315970.96	324225.32	441.91
2320	108.-2-22	Non-Participating	Other Structure	1.50	316133.42	324212.00	445.33
2321	96.19-1-28	Non-Participating	Other Structure	1.50	316164.61	324281.24	448.69
2322	96.-1-41	Non-Participating	Other Structure	1.50	316151.82	324289.84	448.96
2323	110.-1-15	Non-Participating	Commercial Structure	1.50	323623.57	323003.92	492.53
2324	97.-1-1.1	Non-Participating	Seasonal Residence	1.50	316991.50	325358.05	535.30
2325	96.-2-18	Non-Participating	Year-Round Residence	1.50	315598.28	326588.23	439.50
2326	96.-2-18	Non-Participating	Year-Round Residence	1.50	315628.98	326631.08	439.50
2327	96.-2-18	Non-Participating	Year-Round Residence	1.50	315708.22	326612.24	440.10
2328	87.-1-54	Participating	Other Structure	1.50	316592.56	326974.92	471.78
2329	87.-1-39	Non-Participating	Other Structure	1.50	315920.15	328339.92	511.50
2330	88.-1-3.1	Non-Participating	Other Structure	1.50	317822.66	328416.47	559.80
2331	88.-1-22	Participating	Other Structure	1.50	318820.70	328960.73	529.89
2332	88.-1-3.1	Non-Participating	Other Structure	1.50	317647.41	329132.20	536.96
2333	88.-1-36	Non-Participating	Year-Round Residence	1.50	320170.47	329386.57	430.16
2334	111.16-2-3.2	Non-Participating	Public Structure	1.50	327629.95	322569.54	484.08

Appendix 7-C

Ambient Pre-Construction Sound Level Measurement Program

Hoffman Falls Wind

PRE-CONSTRUCTION SOUND LEVEL MEASUREMENT PROGRAM



Prepared for:

Hoffman Falls Wind LLC
90 State Street
Albany, NY 12207

February 9, 2024

REVISED October 9, 2024

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1.0 BASELINE SOUND LEVEL MONITORING PROGRAM

To characterize the existing soundscape of the Project area, an ambient (baseline) monitoring program was conducted in accordance with the New York State Office of Renewable Energy Siting and Electric Transmission (ORES) Title 16 New York Codes Rules and Regulations (16 NYCRR Part 1100) Chapter XI Section 1100-2.8(i) Exhibit 7: Noise and Vibration requirements. This section outlines the methodology and results of the ambient program.

1.1 Sound Level Measurement Locations

In accordance with ANSI S12.9-1992/Part 2 (R2013), the deterministic spatial sampling technique was used to select measurement locations. In other words, sound monitoring locations were selected to be representative of nearby residences in various directions from the wind project. Thus, the selected locations are representative of potentially impacted receptors. The program was intended to measure total ambient sound in the area which includes all noise sources.

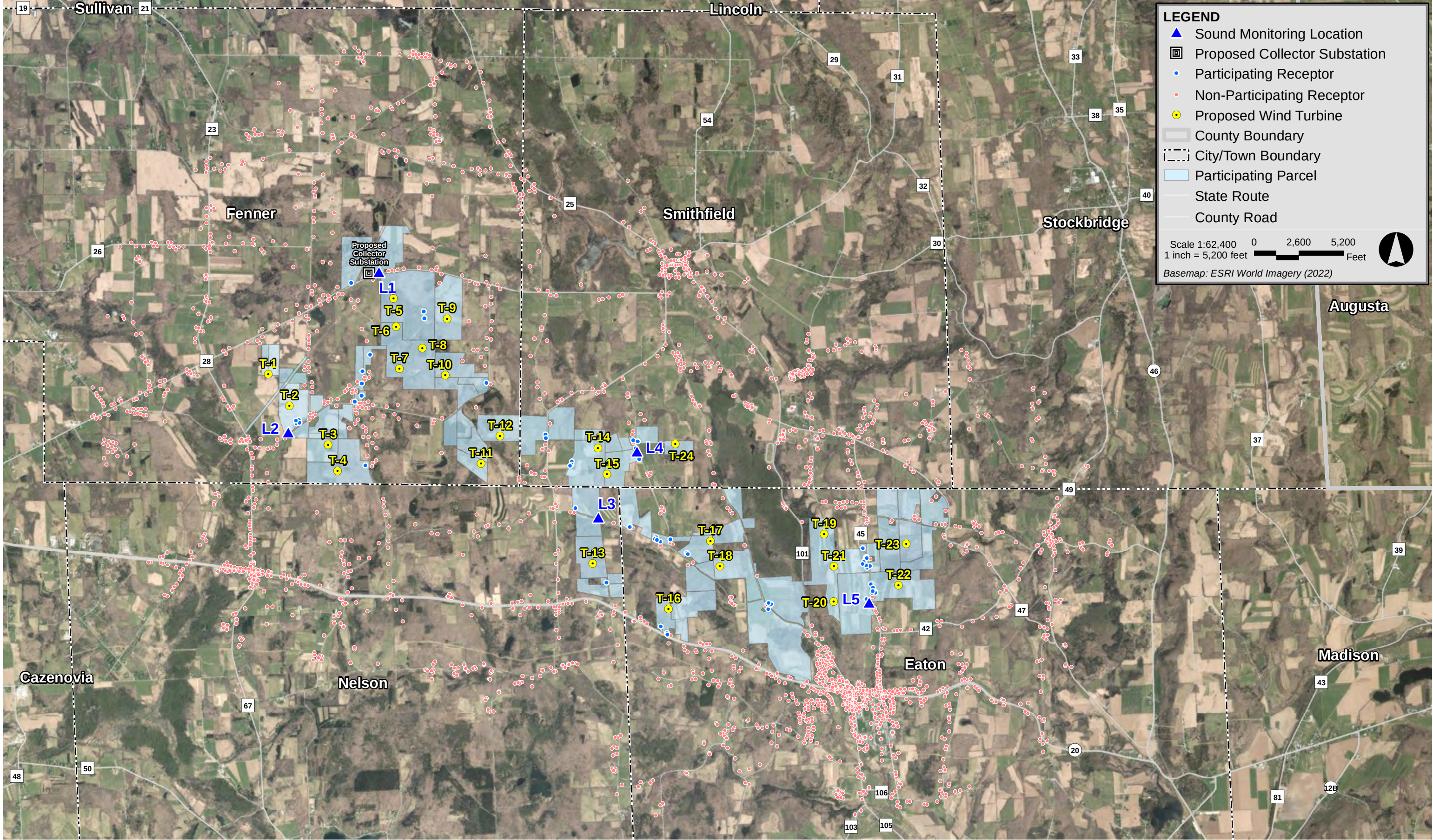
One sound level measurement program was conducted at five (5) locations for approximately fifteen (15) days, which is well beyond the minimum requirement of seven (7) days for a wind facility in the Article VIII regulations. Figure 1-1 shows the measurement locations for the measurement program. The ambient measurement locations are representative of the general vicinity of the Project. Each sound level monitoring location is described in the following subsections.

The coordinates for the sound level measurement locations are listed in Table 1-1, which were slightly adjusted as needed from the field-measured Global Positioning System (GPS) points for refined accuracy.

Table 1-1 GPS Coordinates – Sound Level Measurement Locations

Location	Latitude	Longitude
Location 1	42.9652°	-75.7497°
Location 2	42.9395°	-75.7692°
Location 3	42.9262°	-75.7015°
Location 4	42.9369°	-75.6932°
Location 5	42.9130°	-75.6425°

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Hoffman Falls Wind Madison County, NY



Figure 1-1
Baseline Sound Monitoring Locations

1.1.1 Location 1— Cody Road

One continuous programmable, unattended sound level meter was placed near Cody Road in the Town of Fenner. The meter was placed approximately 110 feet north of the road on agricultural land. This location is representative of existing sound levels on the northwestern area of the project site and along Cody Road. The monitoring setup is shown in Figure 1-2.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics from 3:00 p.m. Wednesday, July 19, 2023 until 12:10 p.m. on Tuesday, August 1, 2023. In total, 1,856 10-minute measurement periods were recorded during the measurement program.

In addition to sound data collection, continuous ground-level wind speed data were collected at this location. The meteorological equipment setup is shown in Figure 1-3.

Figure 1-2 Location 1 - Sound Level Meter



Figure 1-3 Location 1 - Meteorological Tower



1.1.2 Location 2— Wyss Road

One continuous programmable, unattended sound level meter was placed near Wyss Road in the Town of Fenner. The meter was placed approximately 60 feet northwest of the road on agricultural land and is representative of existing sound levels on the western area of the Project Site and along Paradise Point Road. The monitoring setup is shown in Figure 1-4.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics from 3:40 p.m. Wednesday, July 19, 2023 until 3:10 p.m. on Thursday, August 3, 2023. In total, 2,158 10-minute measurement periods were recorded during the measurement program.

Figure 1-4 Location 2 - Sound Level Meter



1.1.3 *Location 3 – Stone Bridge Road*

One continuous programmable, unattended sound level meter was placed near Stone Bridge Road in the Town of Nelson. The meter was placed approximately 50 feet north of the road on agricultural land and is representative of existing sound levels on the central area of the Project Site and near Stone Bridge Road. The monitoring setup is shown in Figure 1-5.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics from 12:10 p.m. Wednesday, July 19, 2023 until 10:50 a.m. on Wednesday, July 26, 2023, and from 11:00 a.m. on Friday, July 28, 2023 until 12:20 p.m. on Wednesday, August 2, 2023. In total, 1,729 10-minute measurement periods were recorded during the measurement program.

In addition to sound data collection, continuous ground-level wind speed data were collected at this location. The meteorological equipment setup is shown in Figure 1-6.

Figure 1-5 Location 3 - Sound Level Meter



Figure 1-6 Location 3 - Meteorological Tower



1.1.4 Location 4 – Brooks Road

One continuous programmable, unattended sound level meter was placed near Brooks Road in the Town of Smithfield. The meter was placed approximately 90 feet west of the road and is representative of existing sound levels on the northeastern area of the Project Site and along Brooks Road. The monitoring setup is shown in Figure 1-7.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics from 1:00 p.m. Wednesday, July 19, 2023 until 4:20 p.m. on Thursday, August 3, 2023. In total, 2,181 10-minute measurement periods were recorded during the measurement program.

Figure 1-7 Location 4 - Sound Level Meter



1.1.5 Location 5 – Davis Corners Road

One continuous programmable, unattended sound level meter was placed near Davis Corners Road in the Town of Eaton. The meter was placed approximately 120 feet west of the road and is representative of existing sound levels on the southeastern area of the Project Site and along Davis Corners Road. The monitoring setup is shown in Figure 1-8.

The meter continuously measured and stored broadband (A-weighted) and one-third octave band sound level statistics from 2:00 p.m. Wednesday, July 19, 2023 until 5:00 p.m. on Thursday, August 3, 2023. In total, 2,179 10-minute measurement periods were recorded during the measurement program.

Figure 1-8 Location 5 - Sound Level Meter



1.2 Sound Level Measurement Instrumentation

Each of the monitoring locations used a Larson Davis (LD) model 831¹ sound level meter (SLM), a Brüel & Kjær (B&K) model Type 2250² SLM, or a Norsonic model Nor140³ SLM to measure both A-weighted (dBA) and one third octave bands from 6.3Hz to 20,000Hz. A one-second time history data collection using the “fast” response setting was also implemented. The meters logged data every 10-minutes with statistical data for the L_{eq} and L_{90} among other parameters.

Each instrument was equipped with a LD PRM 831 preamplifier and a PCB 377C20 half inch microphone, a B&K Type 4952 preamplifier and microphone, or a Norsonic Nor1209 preamplifier and a G.R.A.S 40AN half inch microphone along with an environmental protection kit. The kit included a 7-inch open cell foam wind screen to reduce wind-induced noise over the microphone. A peer-reviewed study presenting the windscreen insertion loss data by one-third octave band for each wind screen used in the background monitoring is provided in Appendix A. Since all measured sound level results are presented in terms of ANSI weighting (see discussion in section 2.1), frequencies above 1250 Hz are not included, and thus the minor microphone insertion losses at higher frequencies are not relevant.

Microphones were tripod-mounted at a height of approximately five feet (1.5 meters) above ground level in accordance with ANSI S12.9-1992/Part 2 (R2013). Horizontal microphone placements near roadways were in accordance with ANSI S12.9-1992/Part 2 (R2013) for open land.

The LD831, B&K2250, and Nor140 meters meet Type 1 ANSI/ASA S1.4, ANSI S1.43-1997 (R2007), and IEC 61672 Class 1 standards for sound level meters and were calibrated and certified as accurate to standards set by the National Institute of Standards and Technology. The octave band filters for all instrumentation meet ANSI S1.11-2004 (R2009). These calibrations were conducted by an independent laboratory within 12 months of field placement and certificates of calibration are provided in Appendix B. All measurement equipment was calibrated in the field before and after the surveys with the manufacturer’s acoustical calibrator which meets the standards of IEC 60942-2003 Class 1L and ANSI/ASA S1.40-2006 (R2016).

1.3 Meteorological Instrumentation

1.3.1 Ground Level Winds

Wind speed can have a strong influence on ambient sound levels. In order to understand how the existing sound levels are influenced by wind speed, a HOBO H21-USB micro-weather station and data logger (manufactured by Onset Computer Corporation) with tripod was used to continuously measure the ground-level wind speed at Location 1 and Location 3.

-
- ¹ Noise floor specified in manufacturer’s manual with use of PRM831 preamplifier and 377B20 microphone for A-weighted sound pressure levels is 18dBA at a 0dB gain and 17dBA at a 20dB gain. Noise floor specified for Z-weighted sound pressure levels is 23dBA at a 0dB gain and 21dBA at a 20dB gain.
 - ² Noise floor specified in manufacturer’s manual A-weighted sound pressure levels is 17 dBA.
 - ³ Noise floor specified in manufacturer’s manual A-weighted sound pressure levels is 25dBA with self-noise of the SLM at 15dBA.

The HOBO wind instruments have a measurement range of 0 to 44 m/s (99 mph) or 0 to 76 m/s (170 mph) and an accuracy of ± 0.5 m/s (1.1 mph) or ± 1.1 m/s (2.4 mph). The starting threshold is 0.5 m/s (1.1 mph) or ≤ 1.0 m/s (2.2 mph).

1.3.2 *Precipitation, Temperature, and Relative Humidity*

Precipitation, temperature, and relative humidity data from the New York State MesoNet system were collected during the measurements. The New York State MesoNet consists of 126 state-of-the-art environmental monitoring stations and serves as the foundation of an Early Warning Severe Weather Detection network for the entire State of New York. The New York State MesoNet was developed by research scientists at the State University of New York (SUNY) at Albany's Atmospheric Sciences Research Center, and Department of Atmospheric and Environmental Sciences. MesoNet sites are distributed statewide with every county across New York having at least one or more sites. The MesoNet collects measurements of several surface and atmospheric variables, such as temperature, relative humidity, wind speed and direction, surface pressure, soil moisture, soil temperature, solar radiation, and precipitation amounts for rainfall and snow accumulation. These data are archived and available to the public.

The Morrisville MesoNet station is located approximately 2 miles south from the closest Hoffman Falls Wind sound level measurement location. This MesoNet station is the closest to the Project site. The SUNY MesoNet data from the Morrisville station is provided in Appendix C of this report.

1.4 Low Frequency and Infrasound Monitoring

As the Article VIII regulations require wind facilities to not exceed 65 dB in the sixteen (16), thirty-one and a half (31.5), and sixty-three (63) Hz, all monitoring locations were equipped to measure existing levels of low frequency and infrasound down to 6.3 Hz for characterizing existing low frequency and infrasound conditions.

2.0 BASELINE SOUND LEVEL MONITORING RESULTS

This chapter discusses the results from the detailed ambient (baseline) monitoring program outlined in the previous chapter. Specifically, the logic for data validity, and sound level result descriptions for the monitoring locations are explained.

2.1 Data Formatting Overview

Sound level data were collected in 10-minute intervals⁴ at five strategically selected locations around the proposed wind energy project. Monitoring periods that experienced elevated ground-level wind speeds or precipitation were excluded from the data analysis per Method #1 in ANSI S12.18-1994. According to this standard, “No sound level measurement shall be made when the average wind velocity exceeds 5 m/s when measured at a height of 2 ± 0.2 m above the ground”. In addition, “Measurement during precipitation [...] is highly discouraged”. Precipitation events identified at the SUNY MesoNet station in Morrisville, NY defined periods for which sound level data were excluded from the analysis for the measurement program. By convention, daytime is defined as the hours from 7:00 AM through 9:59 PM and nighttime is defined as the hours from 10:00 PM through 6:59 AM.

The sound level equipment used in ambient monitoring have specifications regarding operative ranges under certain air conditions, e.g., temperature and relative humidity.^{5,6} Data from the Morrisville MesoNet station was additionally referenced for the range exceedances during all measurement timeframes. Sound levels during these exceedances were excluded from further processing.

Intermittent noise was automatically filtered by using the L_{90} statistic. Seasonal noise was removed from the ambient sound level measurements regardless of season. A high-frequency natural sound (HFNS) filter was applied to the measured one-third octave-band data from which a broadband sound level was calculated for the monitoring period. This technique removes all sound energy above the 1,250 Hertz frequency band. The methodology for the filtration process is as specified in ANSI/ASA S12.100-2014 as required by Section 1100-2.8(i) of the Article VIII regulations. The calculated sound pressure levels presented in Chapter 3 of this report using this methodology are indicated as ANS-weighted levels (presented in dBA). The “as-measured” broadband A-weighted (dBA) L_{eq} and L_{90} and one-third octave band ambient sound levels are

⁴ It should be noted that all sound level instrumentation and ground level meteorological instrumentation were time-synchronized to align the monitoring periods.

⁵ Periods measured outside the temperature range of 14°F to 122°F were considered invalid due to the Larson Davis Model 831 SLM specifications.

⁶ Periods measured outside the relative humidity range of 1 to 99% were considered invalid based on microphone specifications. The accuracy of sound levels measured with a Larson Davis Model 831 SLM outside the relative humidity range of 25% to 90% is unknown; however, the data are not considered invalid and are included in the data summaries. The same is true for sound levels measured with a Norsonic Nor140 SLM outside the range of 5% to 90% relative humidity and for the sound levels measured with a B&K 2250 outside the range of 0% to 90% relative humidity.

presented graphically for each location in the following subsections. The one-third octave-band data span the frequencies from 12.5 Hz to 10,000 Hz.

2.2 Location 1 – Cody Road

Sound levels at Location 1 were influenced by occasional local vehicular traffic, birds, insects, frogs, existing wind turbines, dogs barking, wind, and vegetation rustle. The measured A-weighted L_{eq} and L_{90} sound pressure levels during the measurement program are presented graphically in Figure 2-1. This figure includes ground-level wind speeds measured at Location 1. Data that were excluded from further analysis due to ground-level winds exceeding 5 m/s measured within the project area, or precipitation or instrumentation operative exceedances as recorded at the Morrisville MesoNet station, are identified in the figure. A total of 333 10-minute periods were excluded from the measurement analysis. The resulting dataset includes a total of 1,523 10-minute periods of valid data.

In addition to broadband sound levels, spectral sound level data were measured during each 10-minute period at Location 1 during the measurement program. Using only valid measurement periods, one-third octave-band data are summarized in Figure 2-2, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime.

2.3 Location 2 – Wyss Road

Sound levels at Location 2 were influenced by occasional vehicular traffic, birds, insects, frogs, cattle, distant farming equipment, running water, wind, and vegetation rustle. The measured A-weighted L_{eq} and L_{90} sound pressure levels during the measurement program are presented graphically in Figure 2-3. This figure includes ground-level wind speeds measured at Location 1. Data that were excluded from further analysis due to ground-level winds exceeding 5 m/s measured within the project area, or precipitation or instrumentation operative exceedances as recorded at the Morrisville MesoNet station, are identified in the figure. A total of 369 10-minute periods were excluded from the measurement analysis. The resulting dataset includes a total of 1,789 10-minute periods of valid data.

In addition to broadband sound levels, spectral sound level data were measured during each 10-minute period at Location 2 during the measurement program. Using only valid measurement periods, one-third octave-band data are summarized in Figure 2-4, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime.

2.4 Location 3 – Stone Bridge Road

Sound levels at Location 3 were influenced by tractors, distant vehicular traffic, birds, insects, other distant farming equipment, wind, and vegetation rustle. The measured A-weighted L_{eq} and L_{90} sound pressure levels during the measurement program are presented graphically in Figure 2-5. This figure includes ground-level wind speeds measured at Location 3. Data that were excluded from further analysis due to ground-level winds exceeding 5 m/s measured within the project area, or precipitation or instrumentation operative exceedances as recorded at the Morrisville MesoNet station, are identified in the figure. A total of 337 10-minute periods were excluded from the measurement analysis. The resulting dataset includes a total of 1392 10-minute periods of valid data.

In addition to broadband sound levels, spectral sound level data were measured during each 10-minute period at Location 3 during the measurement program. Using only valid measurement periods, one-third octave-band data are summarized in Figure 2-6, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime.

2.5 Location 4 – Brooks Road

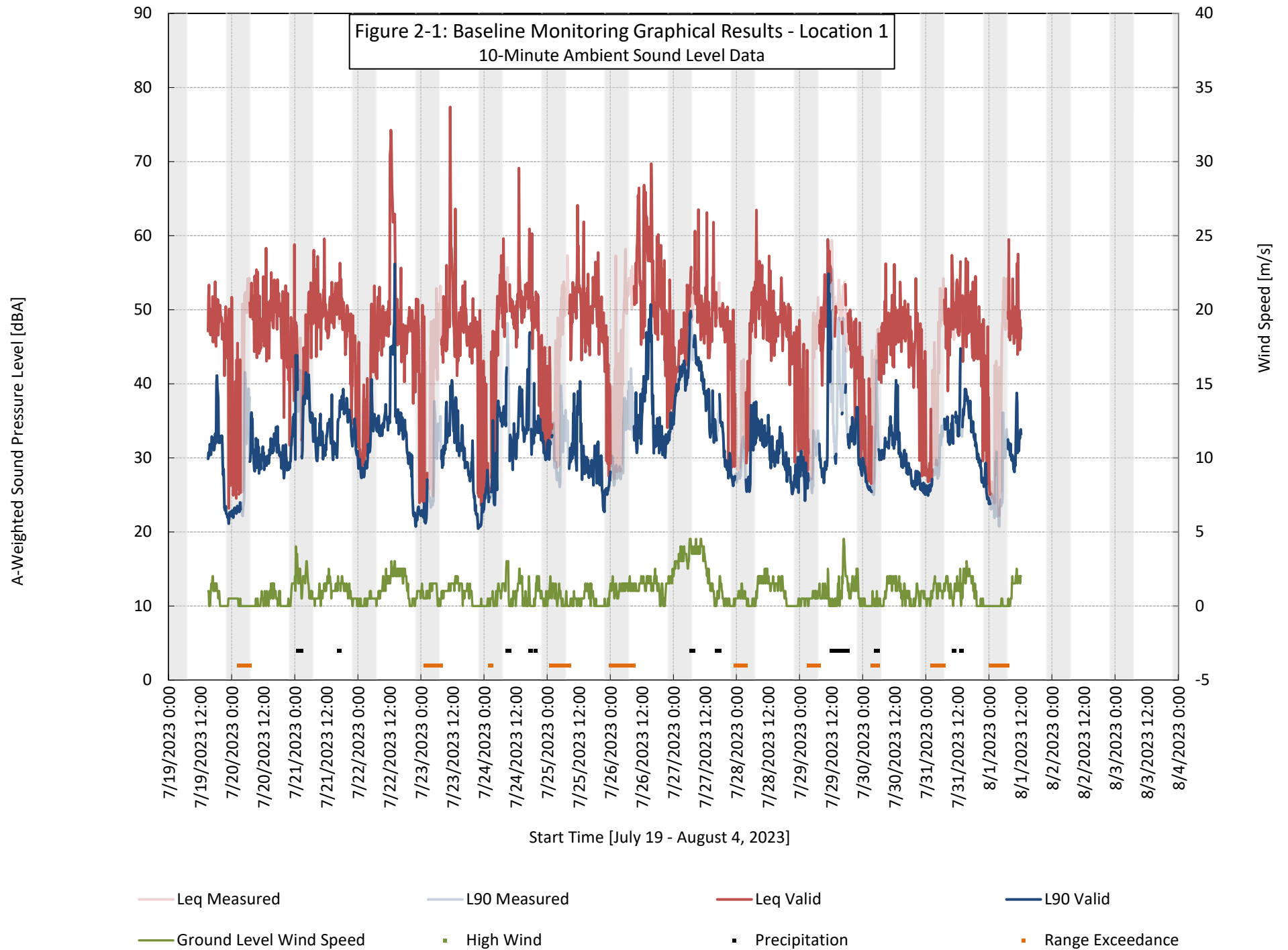
Sound levels at Location 4 were influenced by chickens, cattle, livestock in a barn, occasional vehicular traffic, birds, insects, dogs barking, distant farming equipment, a lawnmower, occasional aircrafts, wind, and vegetation rustle. The measured A-weighted L_{eq} and L_{90} sound pressure levels during the measurement program are presented graphically in Figure 2-7. This figure includes ground-level wind speeds measured at Location 3. Data that were excluded from further analysis due to ground-level winds exceeding 5 m/s measured within the project area, or precipitation or instrumentation operative exceedances as recorded at the Morrisville MesoNet station, are identified in the figure. A total of 370 10-minute periods were excluded from the measurement analysis. The resulting dataset includes a total of 1811 10-minute periods of valid data.

In addition to broadband sound levels, spectral sound level data were measured during each 10-minute period at Location 4 during the measurement program. Using only valid measurement periods, one-third octave-band data are summarized in Figure 2-10, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime.

2.6 Location 5 – Davis Corners Road

Sound levels at Location 5 were influenced by tractors, cattle, occasional vehicular traffic, birds, insects, dogs barking, barn fans, farming equipment, wind, and vegetation rustle. The measured A-weighted L_{eq} and L_{90} sound pressure levels during the measurement program are presented graphically in Figure 2-9. This figure includes ground-level wind speeds measured at Location 3. Data that were excluded from further analysis due to ground-level winds exceeding 5 m/s measured within the project area, or precipitation or instrumentation operative exceedances as recorded at the Morrisville MesoNet station, are identified in the figure. A total of 370 10-minute periods were excluded from the measurement analysis. The resulting dataset includes a total of 1809 10-minute periods of valid data.

In addition to broadband sound levels, spectral sound level data were measured during each 10-minute period at Location 5 during the measurement program. Using only valid measurement periods, one-third octave-band data are summarized in Figure 2-10, as logarithmic averages of the equivalent (L_{eq}) sound levels; separated by daytime and nighttime. The “spikes” in the 5,000 Hz and 10,000 Hz one-third octave band for the nighttime measurement period were likely due to insect activity.



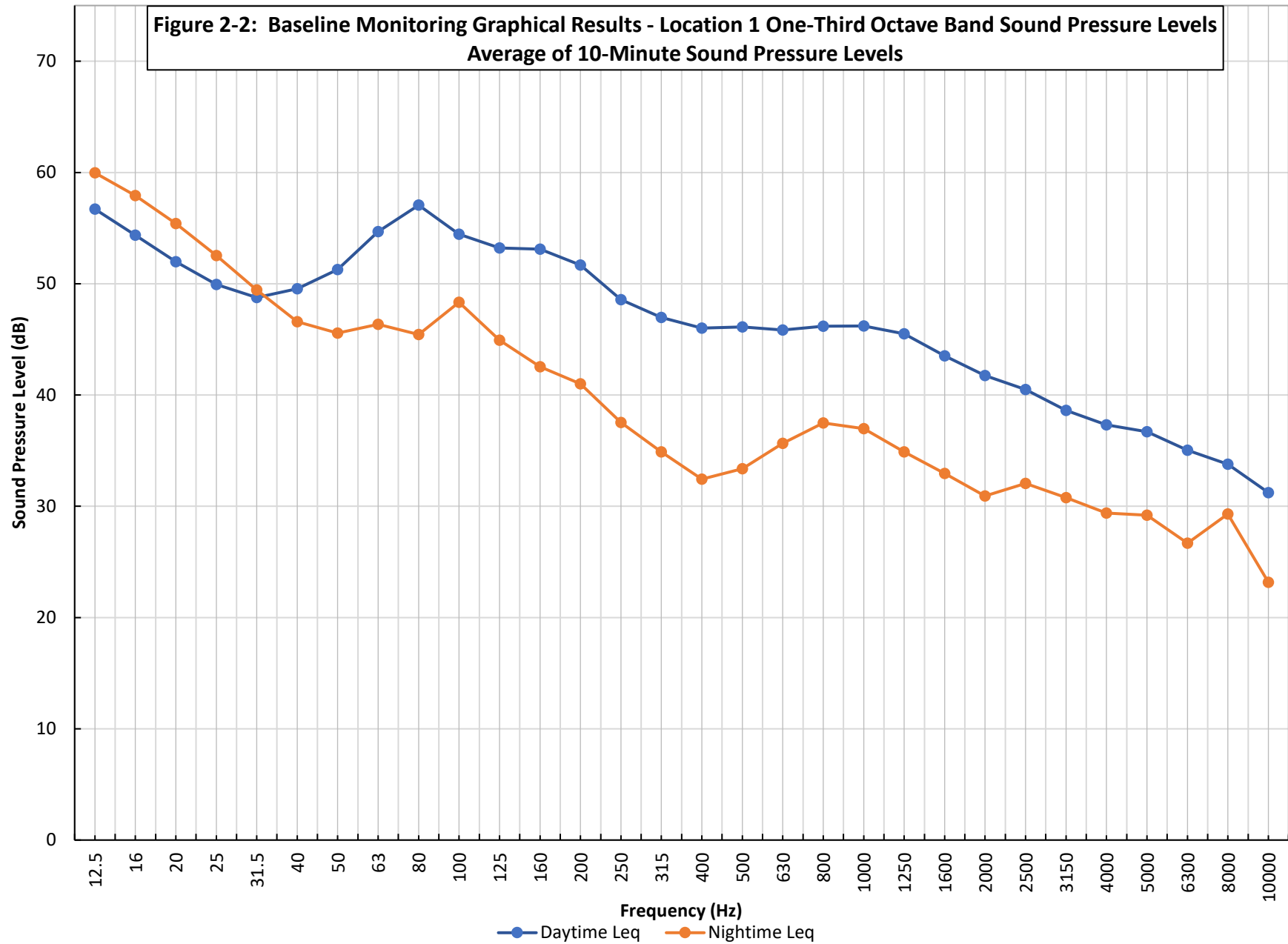
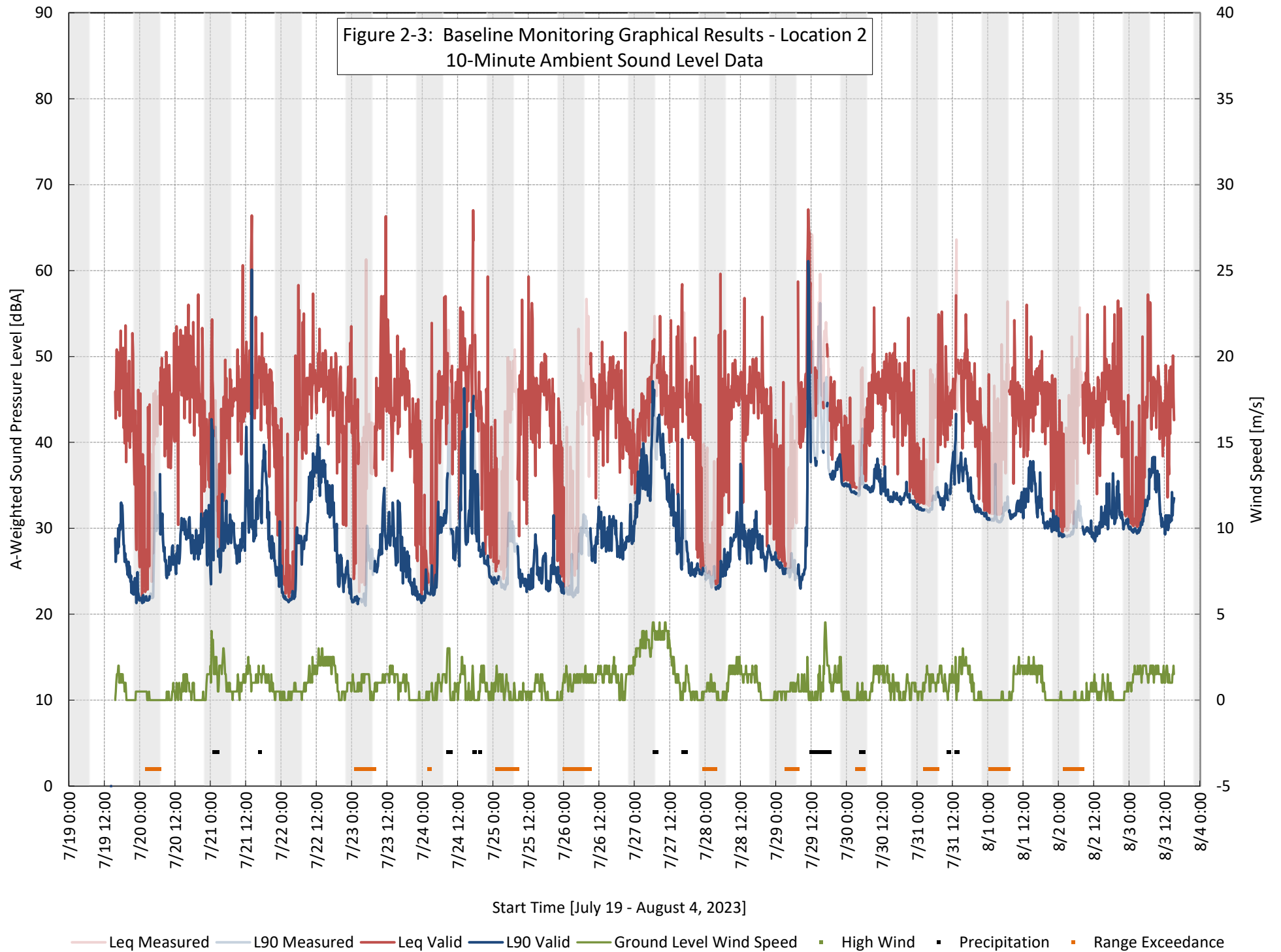
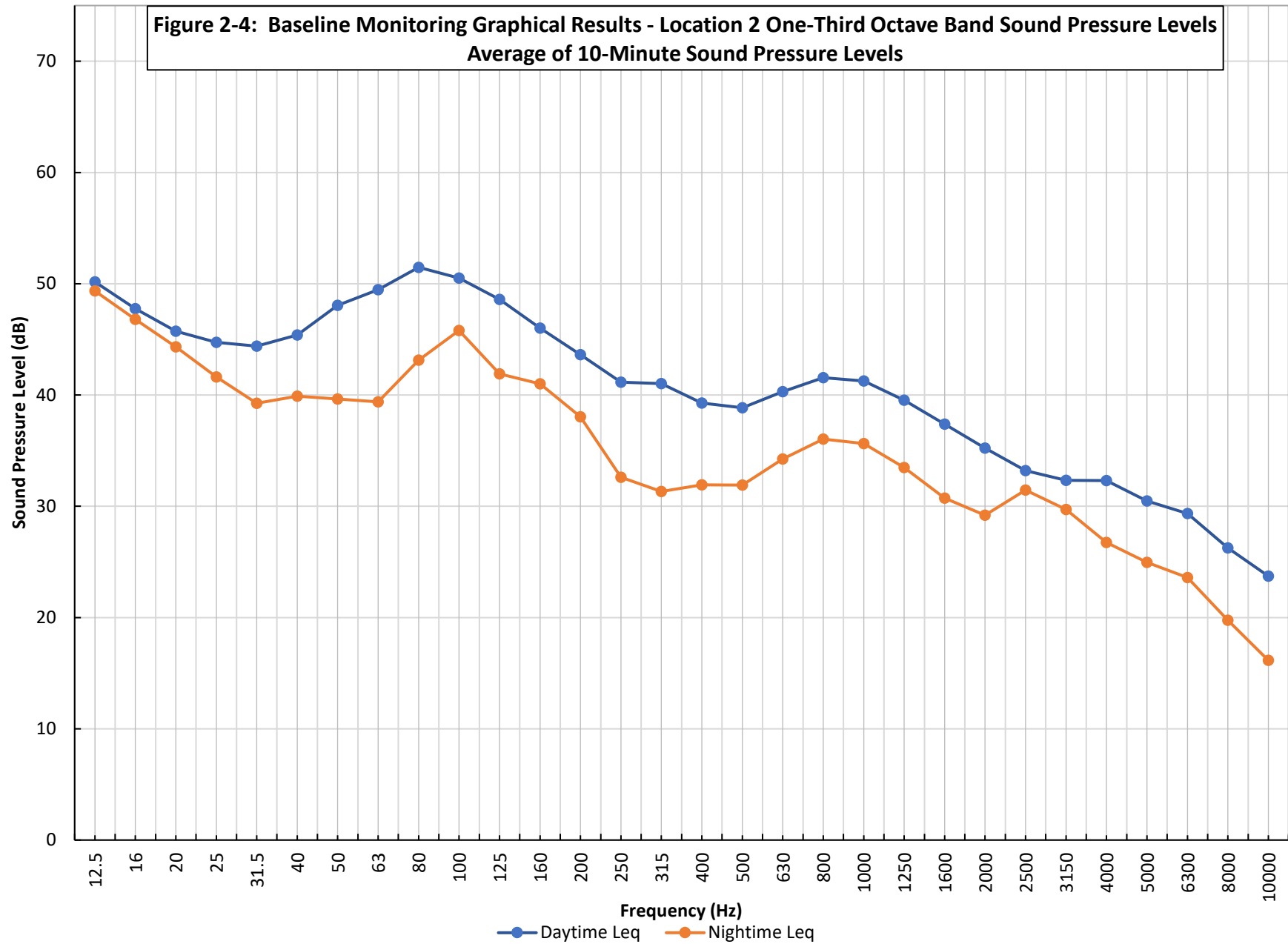
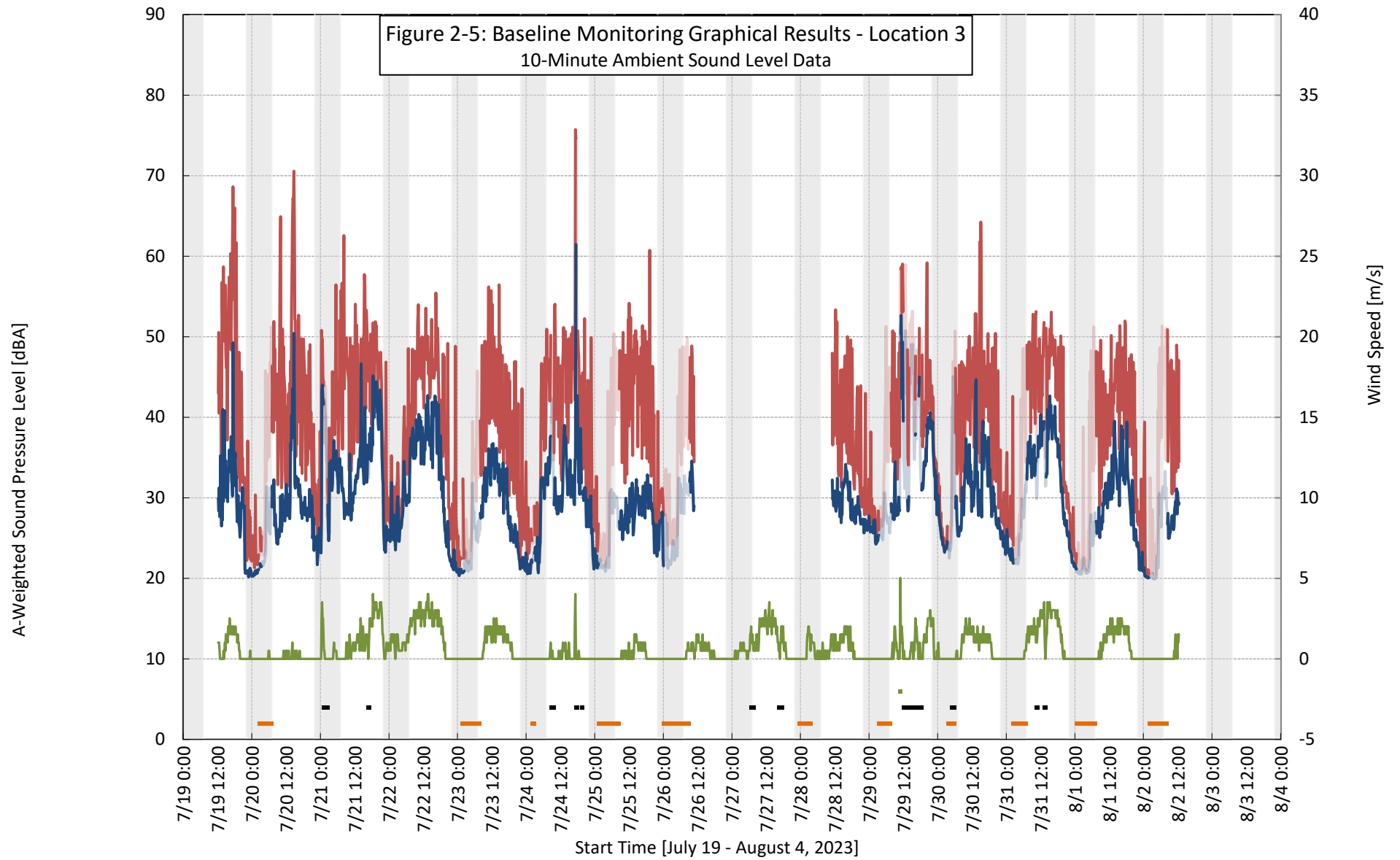


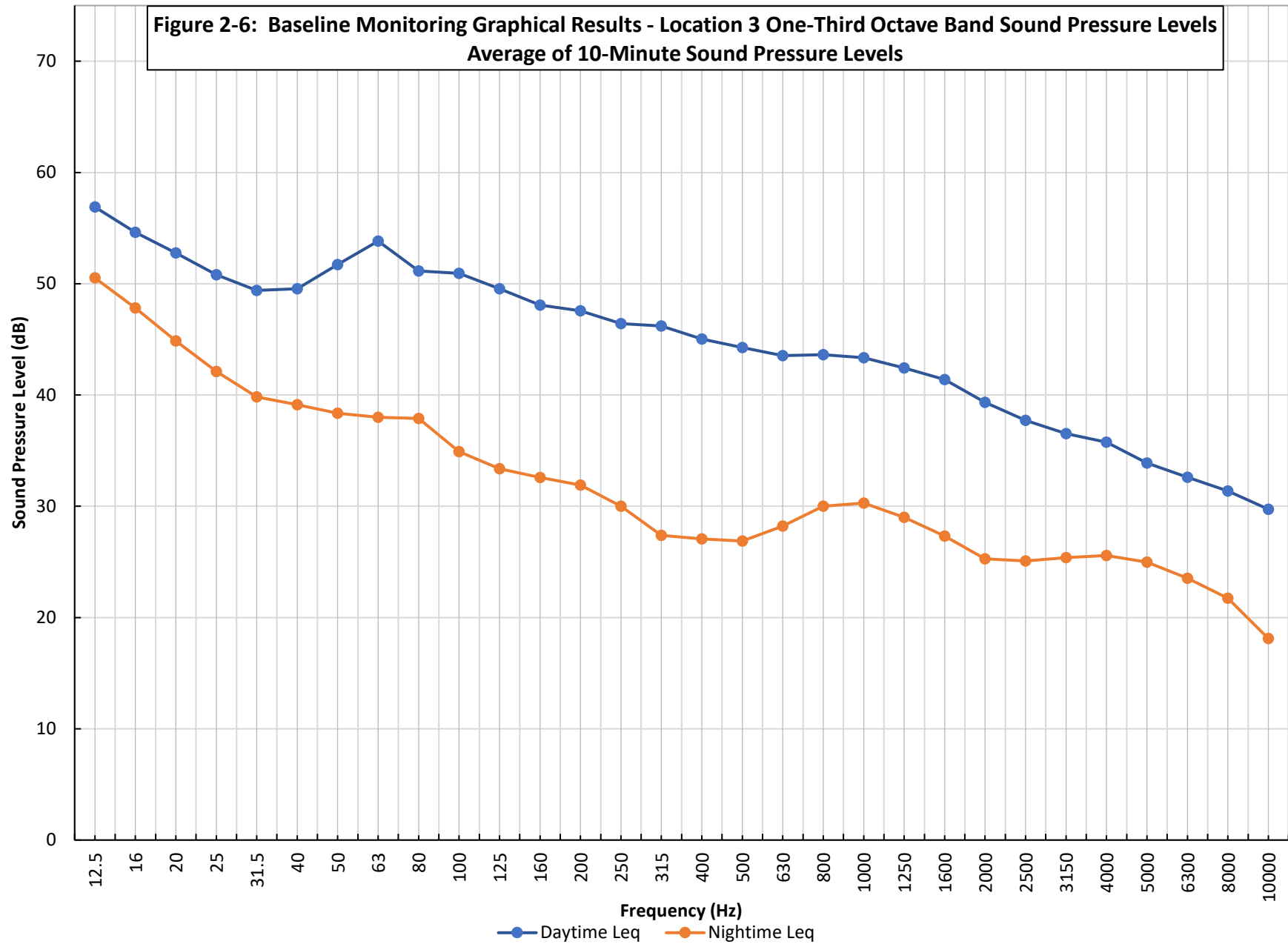
Figure 2-3: Baseline Monitoring Graphical Results - Location 2
10-Minute Ambient Sound Level Data

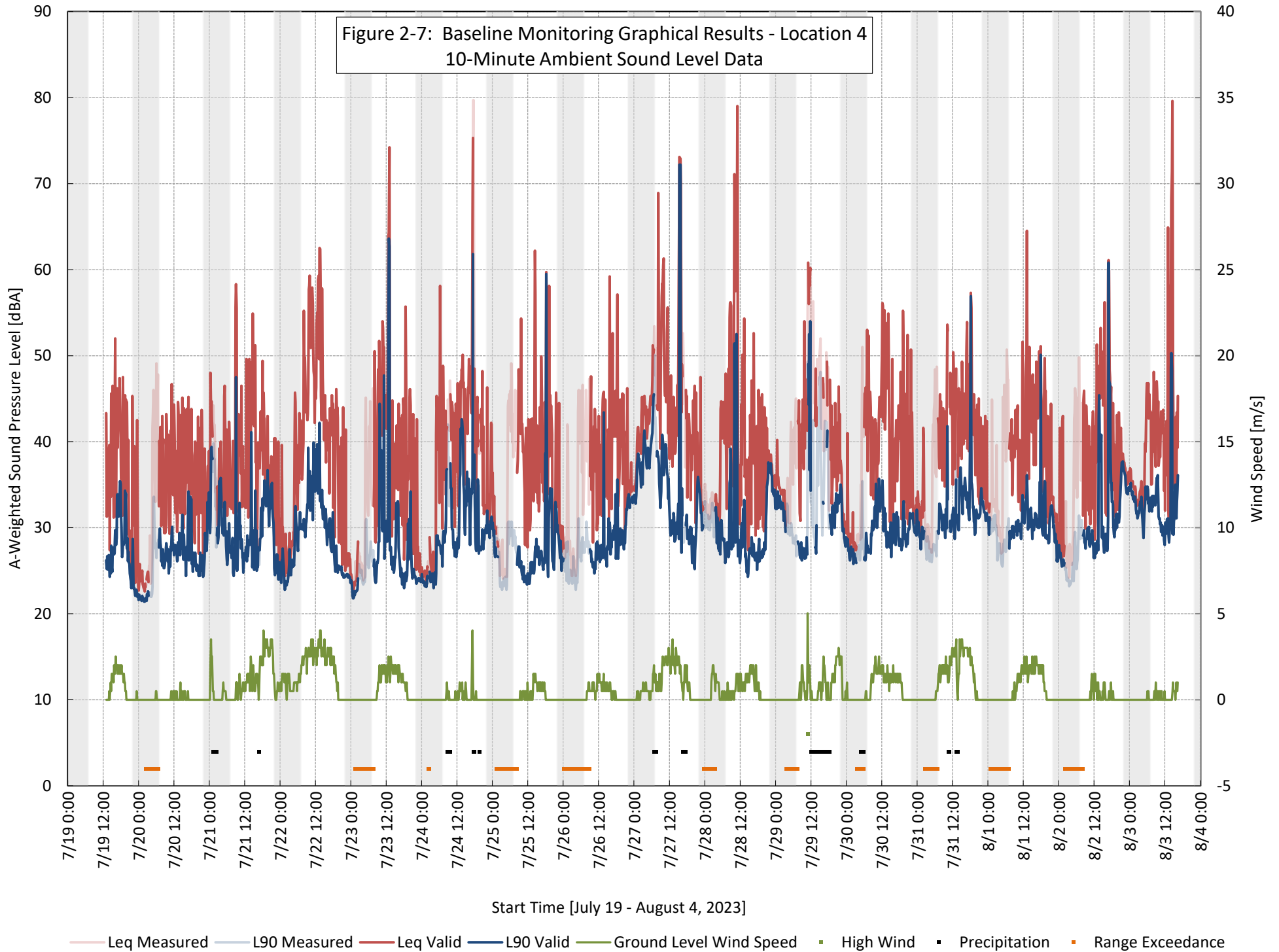


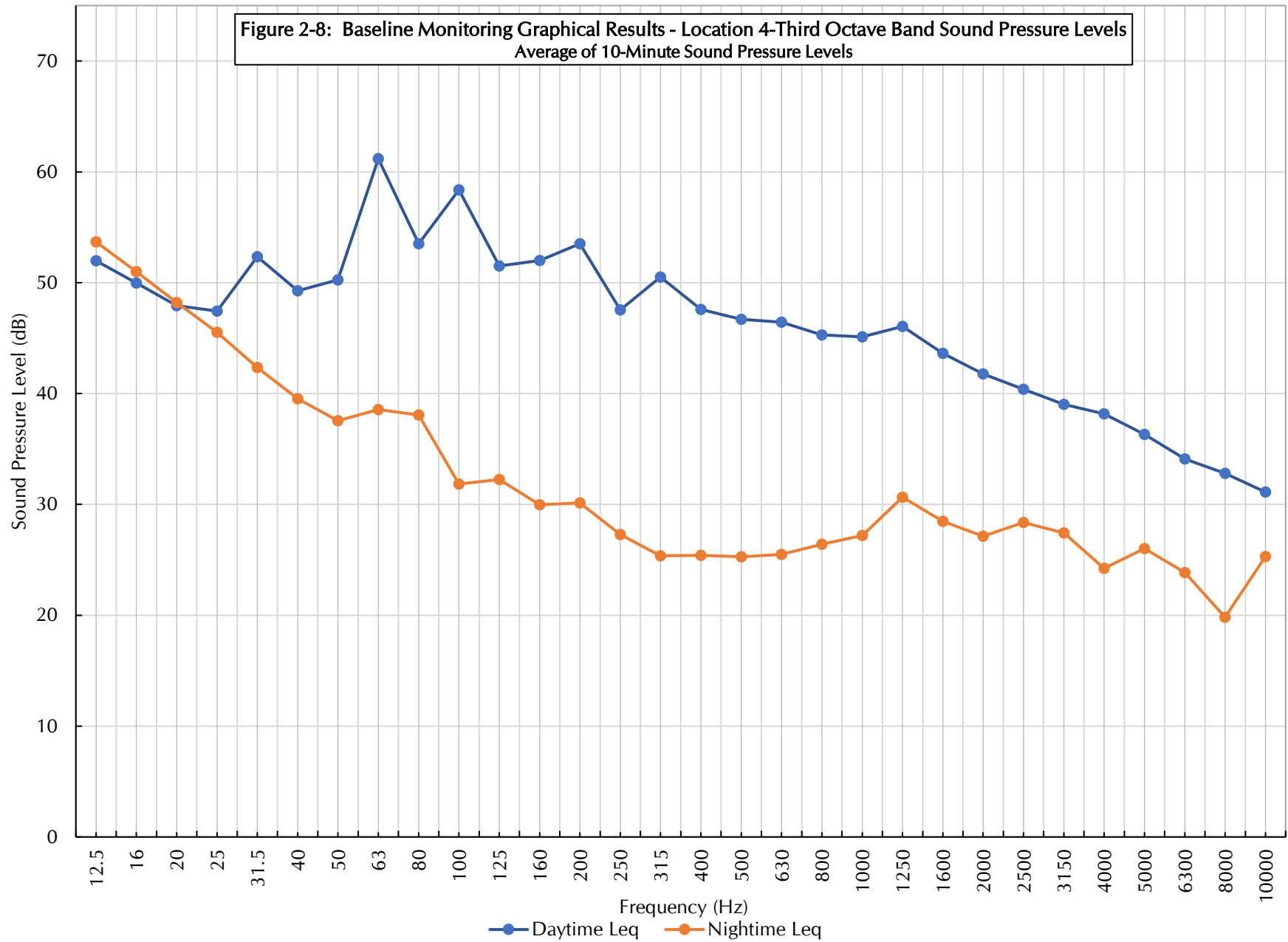


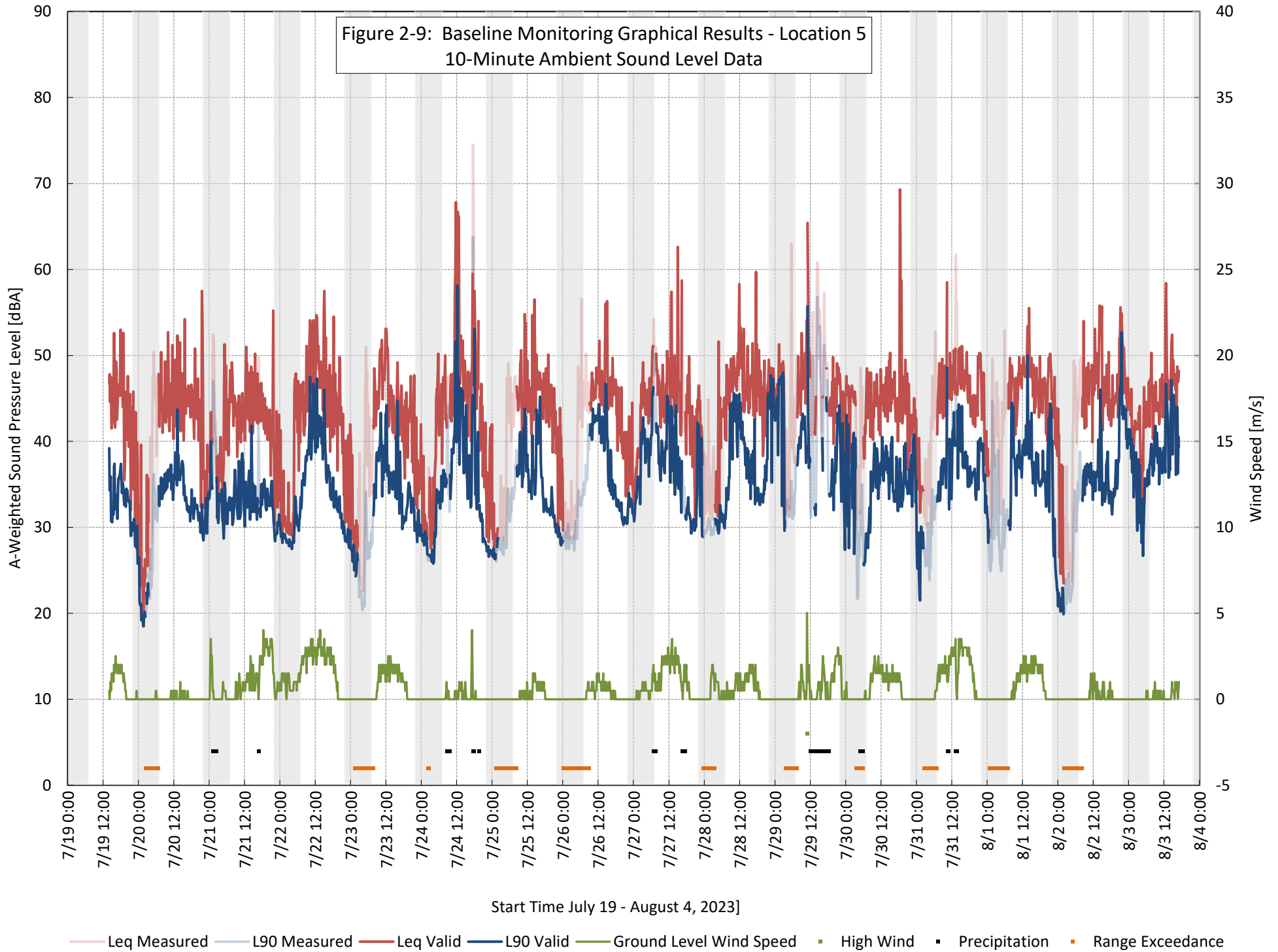


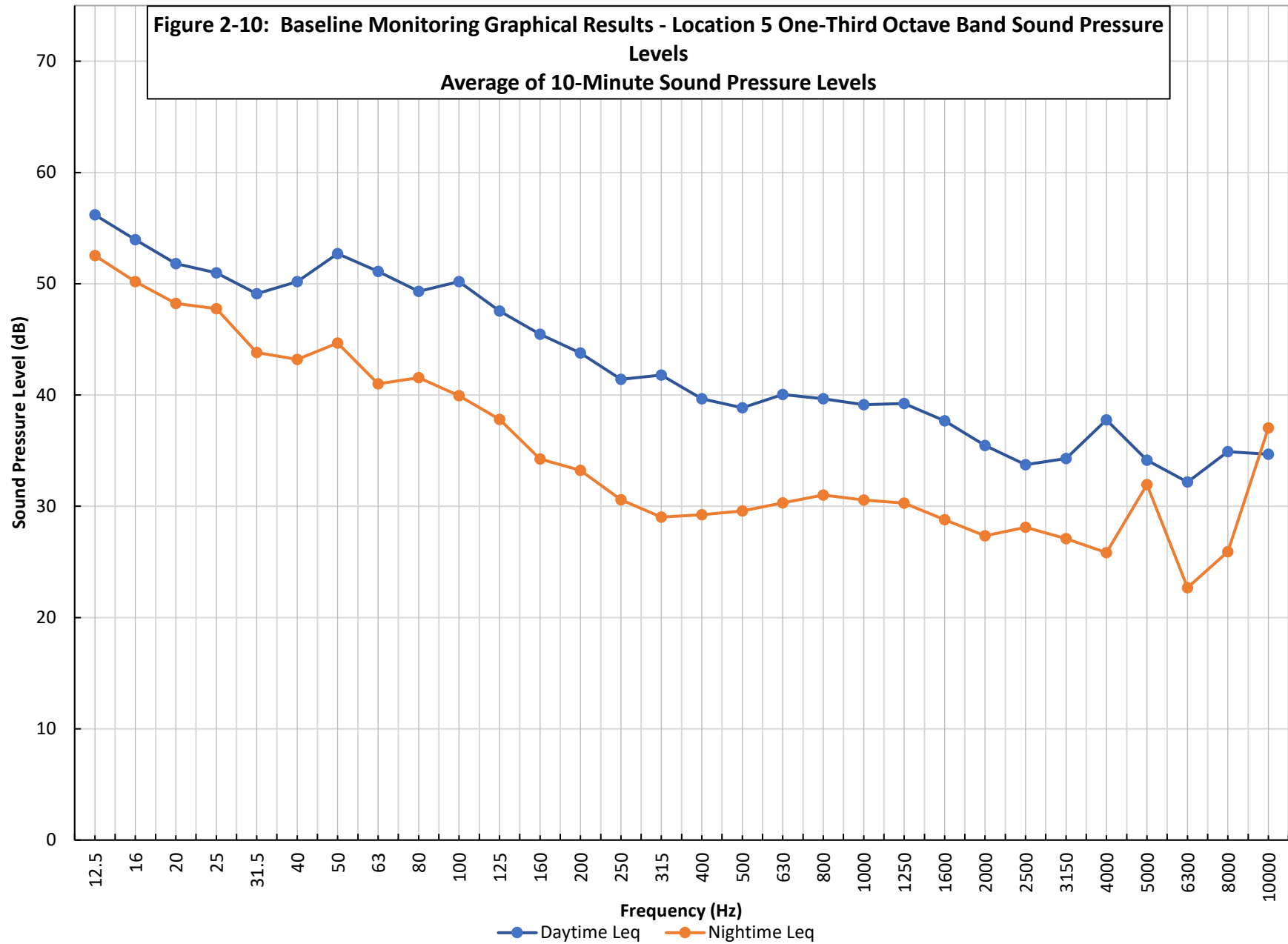
— Leq Measured	— L90 Measured	— Leq Valid	— L90 Valid
— Ground Level Wind Speed	■ High Wind	■ Precipitation	■ Range Exceedance











3.0 SOUND LEVEL MONITORING SUMMARY

A baseline monitoring program was performed for the proposed Hoffman Falls Wind Project to characterize the existing sound level environment in the Project area. The measured sound levels are summarized below as tabular data by location. Respective ANS-weighted broadband sound levels calculated for the summary period of interest are provided along with the “as-measured” broadband levels within each table. Only valid⁷ 10-minute measurement periods are included in the summary tables.

3.1 Existing Ambient – L₉₀

Measured ambient L₉₀ sound levels are shown below in Table 3-1. Values are separated by daytime and nighttime periods as well as for the entire program combined. These values represent the L₉₀ of the measured L₉₀ values.

Table 3-1 Existing Ambient L₉₀ (dBA) Sound Pressure Level Summary

Location	Overall (dBA)		Daytime (dBA)		Nighttime (dBA)	
	Measured	ANS	Measured	ANS	Measured	ANS
Location 1	25	22	28	24	23	19
Location 2	24	19	25	21	22	17
Location 3	24	19	26	22	21	15
Location 4	25	20	26	21	24	20
Location 5	29	25	32	29	26	22

3.2 Existing Ambient - L_{eq}

Measured average ambient L_{eq} levels are presented in Table 3-2. Values are separated by daytime and nighttime periods as well as for the entire program combined.

Table 3-2 Existing Ambient L_{eq} (dBA) Sound Pressure Level Summary

Location	Overall (dBA)		Daytime (dBA)		Nighttime (dBA)	
	Measured	ANS	Measured	ANS	Measured	ANS
Location 1	47	45	49	48	38	36
Location 2	43	41	45	44	36	34
Location 3	40	37	43	40	30	27
Location 4	39	35	41	38	33	28
Location 5	44	41	46	43	39	33

⁷ Refer to Chapter 2 for details concerning valid periods.

Appendix A

Windscreen Insertion Loss

Experimental study to determine wind-induced noise and windscreen attenuation effects on microphone response for environmental wind turbine and other applications

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Despite the use of windscreens, the measurement of ambient sound levels or noise emissions in quiet environments can be adversely affected by wind blowing over the microphone. This is especially true when environmental impact assessments are being carried out for proposed wind turbine power projects - where the objective is to determine the level of background masking noise available as a function of wind speed, since any potential noise impact from the project will only occur under moderately windy conditions. Under calm conditions the project will produce no noise at all. A number of windscreen products are commercially available for short and long-term sound level monitoring in adverse weather conditions. Generally, these windscreens vary by physical size and the method of preventing water from reaching the microphone. High frequency attenuation effects are usually available from the product suppliers but, in general, low frequency turbulence effects are not available. Consequently, a controlled laboratory test program was carried out in a state-of-the-art wind tunnel at the Fraunhofer Institut für Bauphysik in Stuttgart, Germany to quantify the level of low frequency interference (down to 6.3 Hz) associated with a number of different foam windscreens and an aerodynamic microphone nose cone. A total of nine configurations were tested with "quiet" airflow only, artificial noise only and noise plus airflow to evaluate both low frequency wind induced noise and high frequency attenuation effects. The test program demonstrated that the largest size foam-based windscreens provided the most protection from flow induced noise due to wind. Flow induced noise by air flow alone was estimated from the study results and compared to community noise measurements at a typical wind turbine site. It was determined that flow induced wind noise does not have a significant or detrimental effect on the measurement of A-weighted sound levels under wind conditions of concern as long as the suggested measurement techniques described herein are followed.

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Primary subject classification: 71.1.1; Secondary subject classification: 21.6

1 INTRODUCTION

It is a challenge to measure ambient or background levels in quiet, rural environments. Such areas are usually devoid of any major noise sources, such as

highways, industrial facilities or airports. Except for occasional, usually man-made, noise events the sound level in rural environments is normally dominated by the rustling of tree leaves or branches in the wind or by the high frequency sounds of insects during the warmer months of the year. For wind turbine power project assessments, ambient sound levels when the wind is blowing in the 3 to 10 m/s range (measured at 10 m above the surface) is very relevant because that is when typical wind turbines first begin to generate significant noise. At higher wind speeds turbine sound levels remain largely constant while the background sound continues to increase. Consequently, background sound

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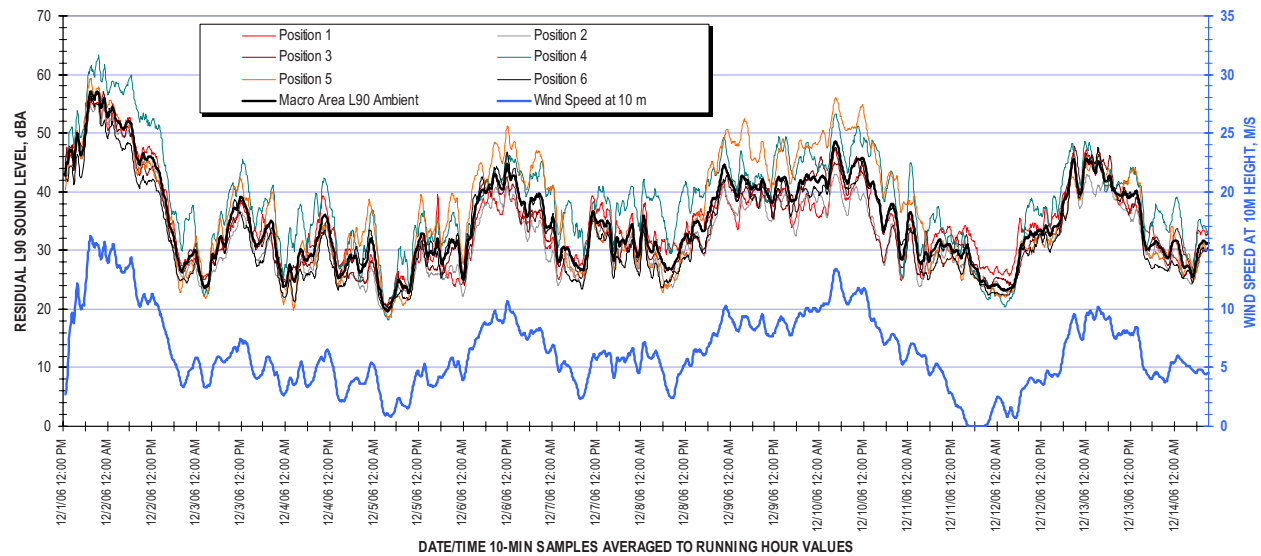


Fig. 1—Measured residual LA90 ambient sound levels at six widely spaced locations in a quiet rural area compared to wind speed over a 13 day period.

levels that occur during moderate winds are of the most interest. Reference 1 offers techniques for measuring wind turbine sources using a ground plane microphone setup to eliminate wind induced noise, but background

baseline measurements are made above grade with wind.

In general, experience with (insect-free) wintertime surveys at rural sites indicates that there is normally an



Fig. 2—Photographs of nine microphone test configurations.

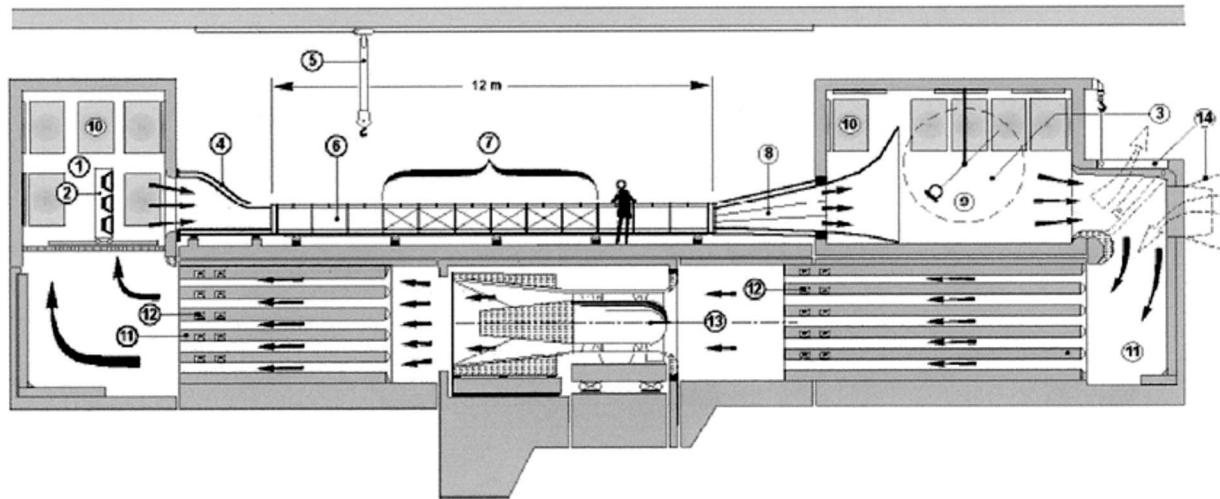


Fig. 3—Cross sectional elevation view of silencer test facility.

excellent correlation between wind speeds and the ambient residual (L90) sound levels as shown on Fig. 1. Of course, such a high degree of correlation could result if the microphone response was dominated by wind-induced turbulence effects around the microphone as opposed to the true ambient sound level signal. Hence, the purpose of this study is to quantitatively address this uncertainty and determine, for a number of common windscreens types, if/when any substantial contamination occurs over a range of wind speeds.

Nine microphone configurations, as illustrated in Fig. 2, were tested under controlled conditions in a wind tunnel duct using quiet airflow only, artificial noise only (at three volumes) and airflow plus artificial noise. Ninety degree incidence is used to duplicate ambient sound measurement survey techniques, but the nose cone (B&K model UA 0386) was aimed into the flow stream. Windscreens for tests 3, 4, 8 and 9 are products available for long-term outdoor monitoring. The foam ball ACO Pacific models (tests 8 and 9) are specifically treated to shed rain water while the other foam balls are not intended for outdoor rain exposure. Measurements were carried out at duct velocities of 2.5, 5, 10, 20 and 30 m/s (8, 16, 33, 66 and 98 ft/s, or 6, 11, 22, 45 and 67 mph). The test results are also useful for determining flow turbulence effects when measuring industrial noise sources in the presence of airflow, as well as for outdoor environmental measurements.

The test program was carried out at the Fraunhofer Institute of Building Physics located in Stuttgart, Germany at their aero-acoustic wind tunnel illustrated on Fig. 3. Note the large silencers on the inlet and exhaust path of the airflow fan and the structural isolation of the test duct. The airflow delivered to the duct test section is essentially free of fan noise or is “quiet” air. The airflow in the duct cross section has an even distribution without swirl or turbulences as it is supplied through a stilling chamber and an air inlet profile. The duct cross section of 1 m by 0.5 m was held constant over the complete length for all measurements. In this way re-generated noise was kept at a minimum. Measurements were made with a Norsonic 840 Analyzer, Norsonic Model 1201 preamp and 1/2 inch (13 mm) diameter Model 1225 microphone.

2 LOW FREQUENCY TURBULENCE EFFECTS - FLOW MEASUREMENTS

The raw measured data for all configurations at the five airflow speeds are plotted on Fig. 4. It is certainly not news, but the data clearly demonstrate that even the most modest foam windscreen should always be used when outdoors, since it dramatically improves the low and mid frequency microphone response. Because the extreme low frequencies are significantly affected by flow induced noise even at fairly low wind speeds, these plots also show that whenever low level very low frequency or C-weighted sound levels must be measured outdoors such measurements should only be carried out under completely calm conditions.

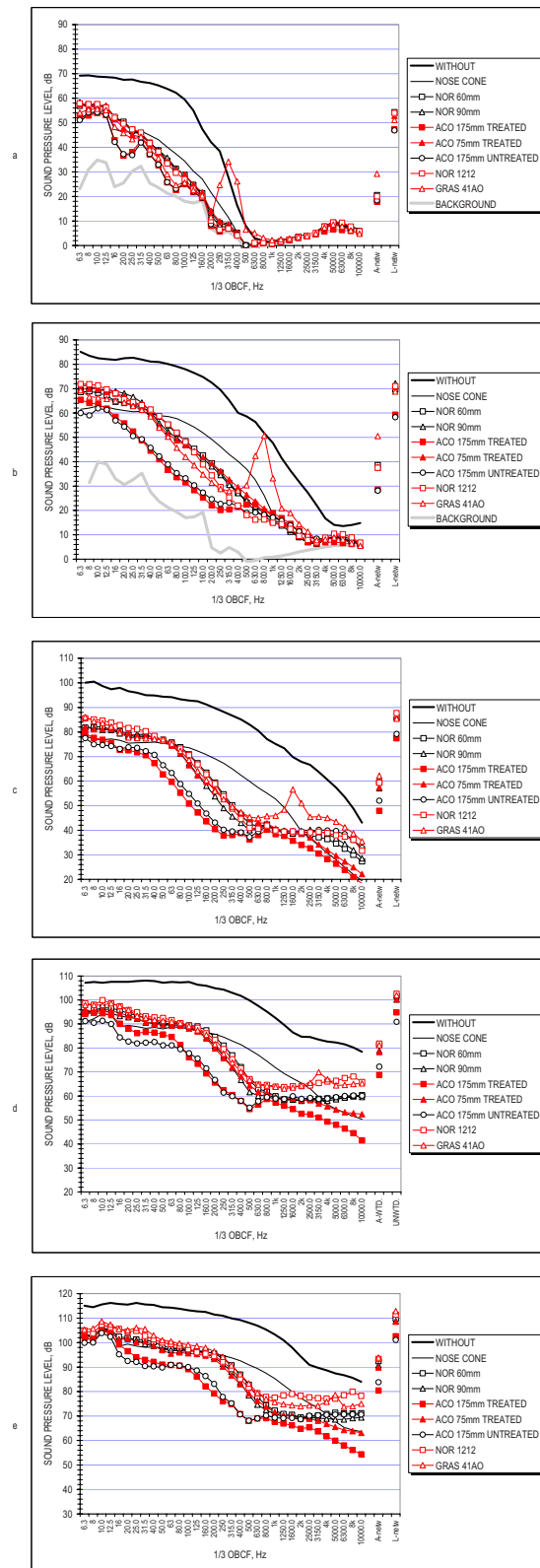


Fig. 4—Measured microphone response at five velocities (2.5, 5, 10, 20 and 30 m/s, graph a through e).

The second trend immediately noticeable is that the two larger (175 mm diameter) windscreens are significantly better at reducing flow induced noise at low and

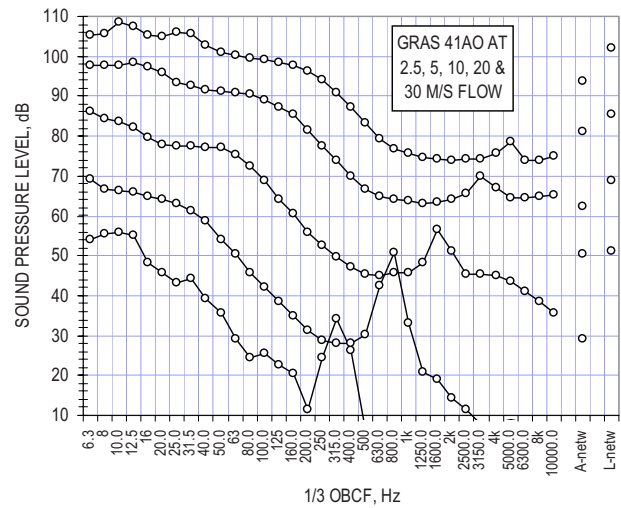


Fig. 5—Graph showing flow generated tonal noise associated with the gap between foam and wire.

mid frequencies. Flow-induced noise levels are on the order of 10 dB lower for this type of windscreen than they are for all others. Prior studies have shown this relationship and an excellent analytical study and summary of microphone response to turbulence is presented by van den Berg in Ref. 2. This testing quantifies the improvement and low frequency performance for readily available current wind protection products.

All of the plots, but particularly the lower wind speed cases, show a tonal aberration for the GRAS model 41AO windscreen. A frequency shift with wind velocity can clearly be seen in Fig. 5, which shows only the results for this model windscreen at all five wind speeds. This behavior was initially attributed to vortex shedding from the bird spike wires (each 1.5 mm in diameter) where the frequency may be calculated by the well known equation:

$$f = Sv/d \quad (1)$$

where,

S=the Strouhal number of 0.2

v=velocity, m/s

d=diameter, m

This calculation indicated that the 315, 630, 1250, 2500 and 5000 Hz 1/3 octave bands would be excited by vortex shedding, but the actual measurements showed that the affected bands were 315, 800, 1600, 3150 and 5000 Hz. Further diagnostic testing demonstrated that the peaks are caused by the gap between the

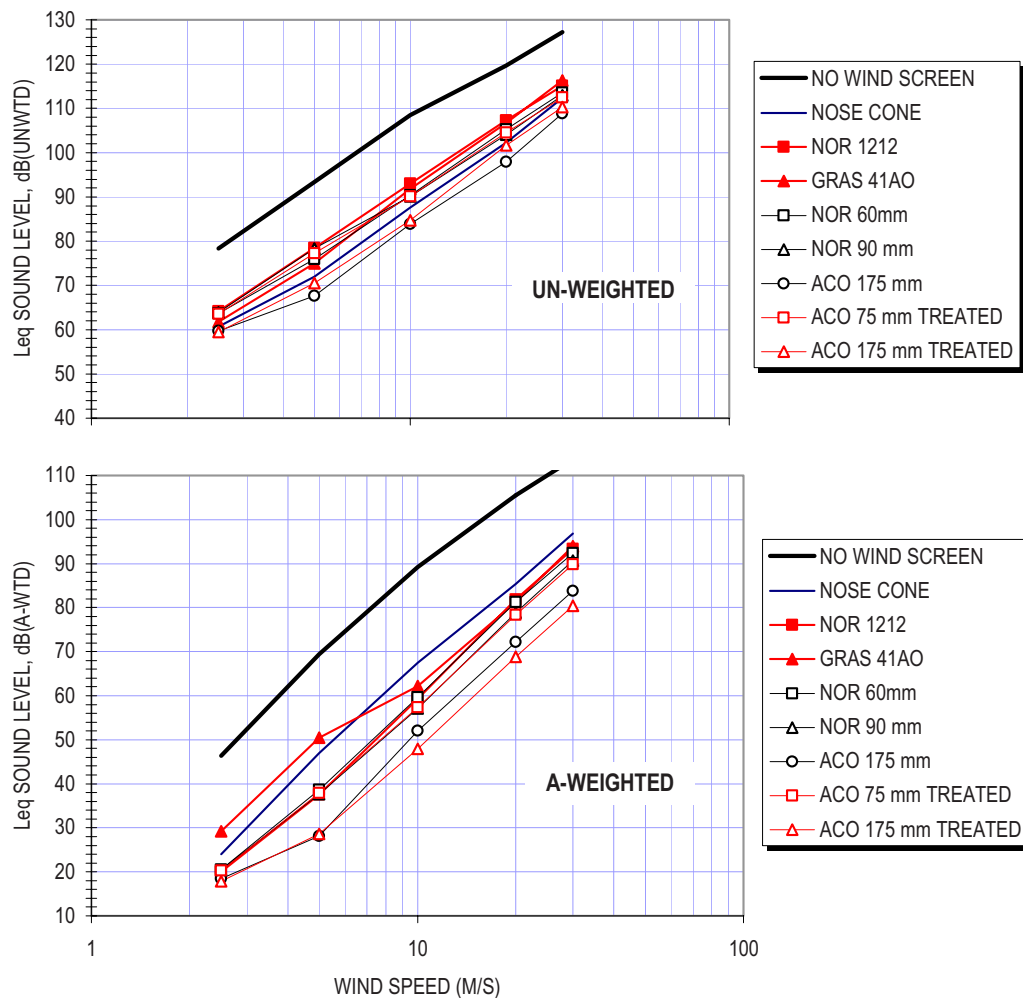


Fig. 6—Plot of overall flow noise response for windscreen models. Upper: Un-weighted level, Lower: A-weighted level.

wire bird spike base and the top of the windscreen. Apparently small mini-jets are created by this gap and it was found that this noise could be reduced by a closer fit between the foam screen and the wire. The gap should be eliminated when employing this model for monitoring.

Figure 6 plots the overall measured values of flow-generated noise as a function of air flow velocity. When plotted on a logarithmic scale, the data show a linear increase with velocity for all models. The overall, un-weighted sound level slope is a v^5 relationship, or approximately a 15 dB increase for each doubling of velocity, whereas the A-weighted results are a v^6 relationship, or approximately 18 dBA increase per doubling. Table 1 tabulates the overall measured values at each velocity for each model windscreen. These data can be used to derive a logarithmic expression for the self-generated noise level as a

function of wind speed for any of the tested windscreens. For example, data for the treated ACO 175 mm windscreen leads to the following approximate equation for estimating the A-weighted flow induced noise level for the wind speed at the microphone location. Wind speed at 10 m elevation is the standardized elevation for rating wind turbines as given in Ref. 1 but this equation applies at the microphone location.

$$L_{fin} = 27.4 \ln(v) - 10.7, \text{ dBA} \quad (2)$$

where,

L_{fin} = the A-weighted flow-induced-noise level due only to wind

v = the wind speed at the microphone, m/s

Table 1—Measured overall levels for microphone response with and without windscreens at five velocity settings. Lowest response results are for the 175 mm size windscreens.

		FLOW SPEED M/S (MPH)				
A-WTD		2.5	5	10	20	30
T1	NO WIND SCREEN	46	69	89	106	114
T2	NOSE CONE	24	47	68	85	97
T3	NOR 1212	20	38	59	82	93
T4	GRAS 41AO	29	51	62	81	94
T5	NOR 60 mm	21	39	60	81	92
T6	NOR 90 mm	20	38	57	79	91
T7	ACO 175 mm	18	28	52	72	84
T8	ACO 75 mm TREATED	20	38	57	78	90
T9	ACO 175 mm TREATED	18	29	48	69	80
UNWTD		FLOW SPEED M/S (MPH)				
		2.5	5	10	20	30
T1	NO WIND SCREEN	78	93	109	120	127
T2	NOSE CONE	61	72	88	102	112
T3	NOR 1212	64	79	93	107	115
T4	GRAS 41AO	62	75	92	107	116
T5	NOR 60 mm	64	76	90	105	114
T6	NOR 90 mm	64	78	90	104	113
T7	ACO 175 mm	60	68	84	98	109
T8	ACO 75 mm TREATED	64	77	90	105	113
T9	ACO 175 mm TREATED	60	71	85	102	110

3 ATTENUATION EFFECTS – ARTIFICIAL NOISE MEASUREMENTS

The measured sound levels in the duct at three volumes of artificial loud speaker noise (without any airflow) are plotted in Fig. 7. The fairly significant response variances at frequencies below 50 Hz are attributable to longitudinal in-duct resonances. Variable levels of external low frequency background noise outside the test duct at the facility may have also contributed to the scatter and loudspeaker output is poor at frequencies below 20 Hz. An improved signal to background noise ratio is suspected as the reason for better data grouping at the highest volume. There is no reason to believe that windscreens have any attenuation or amplification effects at these low frequencies. To verify this, testing was repeated in the facilities anechoic free-field environment. Figure 8 plots the raw data for this test and it is readily apparent that the low frequency variations are absent for a free progressive wave in an anechoic room as opposed to the wave front in a duct containing lateral reflections.

At the high end of the frequency spectrum the plots consistently show the same, model-dependent trends

such as the significant attenuation of the ACO 175 mm treated windscreen at all frequencies above about 1250 Hz. Figure 9 shows the averaged attenuation for the three volumes in 1/3 octave bands for all windscreen models tested. Negative attenuation, or amplification of the signal, is significant for the nose cone and Nor 1212 outdoor windscreen. Table 2 tabulates the measured attenuations.

In general, the relatively large high frequency attenuation associated with the ACO 175 mm treated windscreen means that any un-corrected measurements made with it would be somewhat lower on an overall A-weighted basis than the actual value and therefore conservative in background survey applications. The overall noise reduction of this windscreen would depend on the frequency spectrum shape of the sound being measured but appears to be in 2 to 5 dBA range (neglecting any possible counteracting increases due to wind-induced effects). This low-pass filter quality could actually be beneficial in cases where unwanted summertime insect noise (generally above 2 kHz) is present. This contamination would be automatically

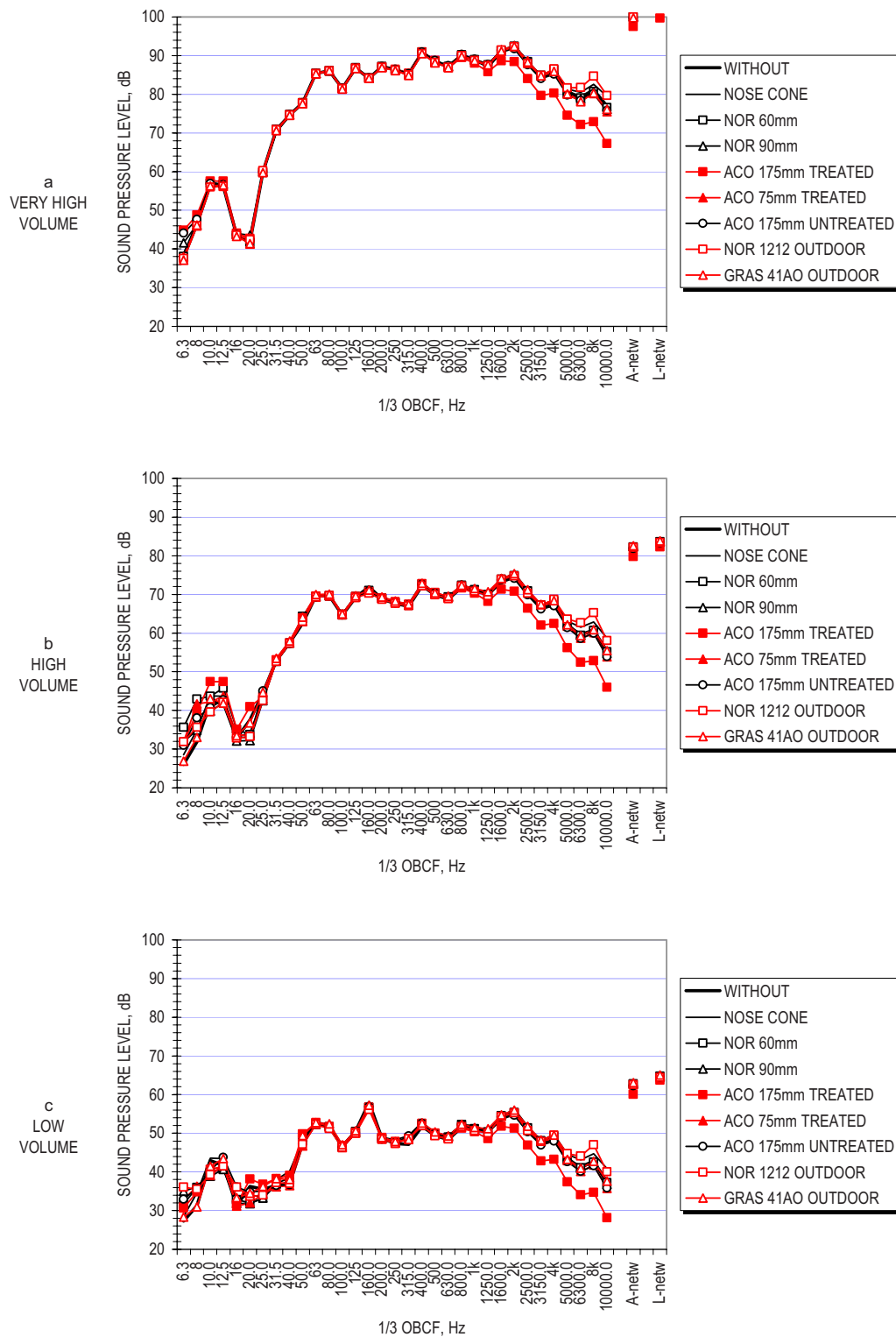


Fig. 7—Measured response with three volumes of artificial noise in the duct.

minimized, though not necessarily eliminated, through the use of this windscreen

4 FLOW AND NOISE MEASUREMENTS

The combined flow and noise measurements serve to illustrate the accuracy of the measurements and the

benefits of using windscreens. Figure 10 plots the flow only, noise only and the combined flow and noise measurements for three cases: no windscreen, minimum diameter and maximum diameter foam windscreens. The point where the flow only and noise only traces cross essentially defines the minimum

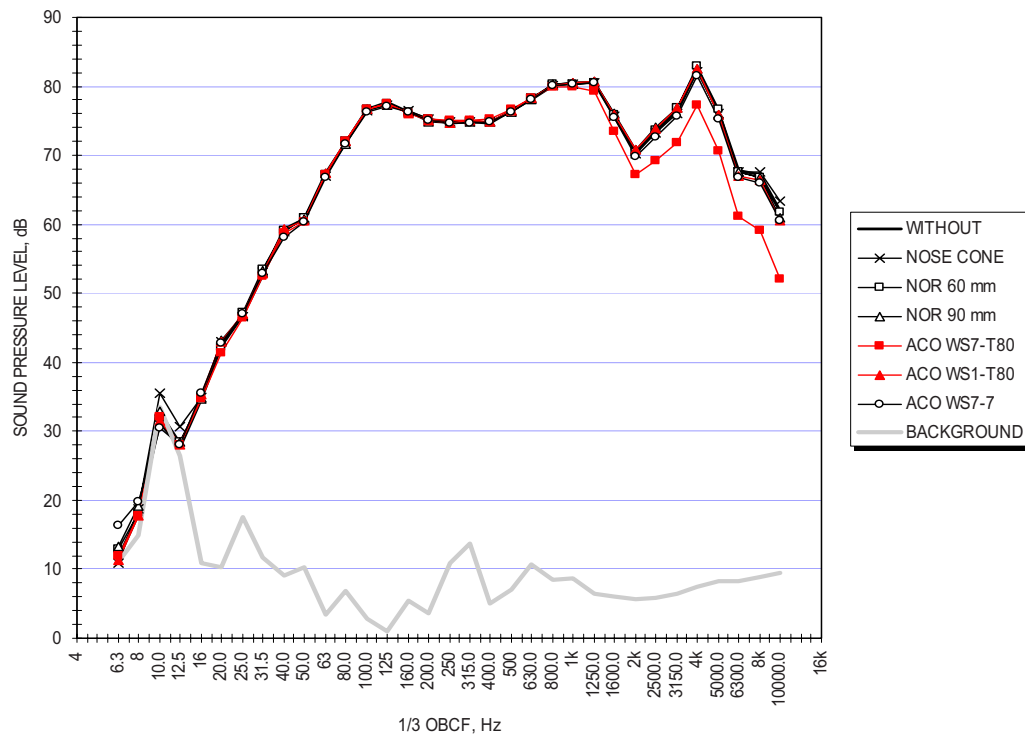


Fig. 8—Measured sound pressure spectra for five windscreen models in an anechoic chamber.

frequency at which valid data can be measured during, in this case, a 10 m/s wind. Without a windscreen, almost the entire spectrum (0 to 6300 Hz) is dominated by the 10 m/s flow noise. At the same 10 m/s flow

speed; however, accurate measurements can be made in all bands above 125 Hz using only a 60 mm windscreen. The frequency response is improved to above 50 Hz using the largest (175 mm) windscreen.

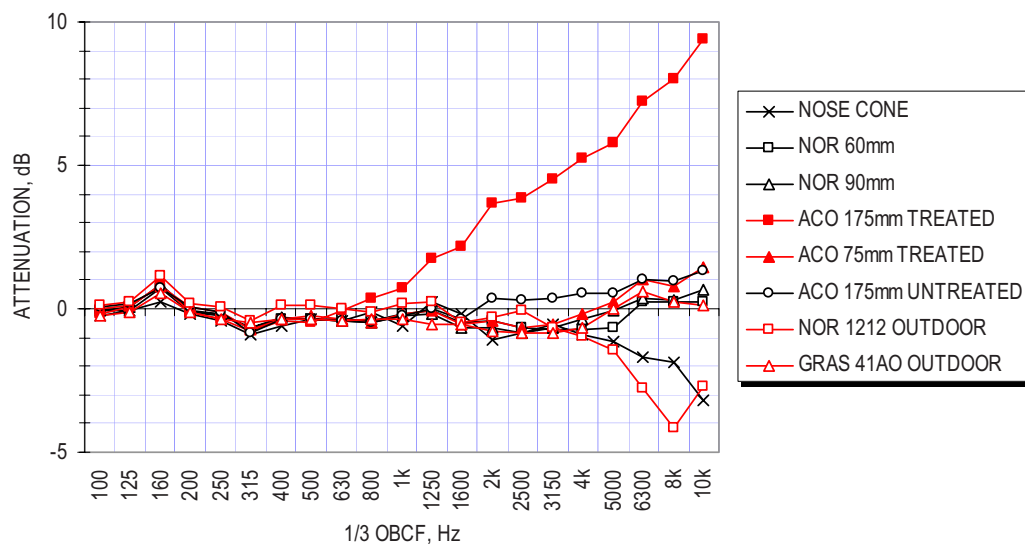


Fig. 9—Measured microphone response attenuation for windscreen models for 90 degree sound incidence.

5 CONCLUSIONS AND RECOMMENDATIONS

The data show that reasonably good results when measuring in low to moderate wind conditions are possible even with conventional 60 mm windscreens, but that a larger (175 mm) diameter windscreen offers significantly better performance in the lower frequencies.

In the special case of background sound level surveys for wind turbine projects, where the objective is to determine the environmental sound level/masking level as a function of wind speed, the suggested practice based on this lab study is to use a large 175 mm windscreen and mount the microphone at a maximum elevation of about 1 m above grade. This latter step helps ensure that the microphone is exposed to relatively low wind speeds, since the nominal wind velocity profile, Eqn. (7) in Ref. 1 has a parabolic shape where the velocity decreases rapidly near the ground – theoretically going to zero at the surface. For example, a wind speed of 10 m/s (22.4 mph) measured at a standardized elevation of 10 m would translate to a nominal speed of 5.6 m/s (12.5 mph) at only 1 m above the surface. The wind speed range of most relevance to wind turbine analyses is usually in the 5 to 8 m/s range as measured at 10 m; consequently, a microphone at 1 m would be exposed to nominal flow velocities of 2.8 m/s (6.3 mph) to 4.5 m/s (10.1 mph) where the A-weighted flow induced noise levels would

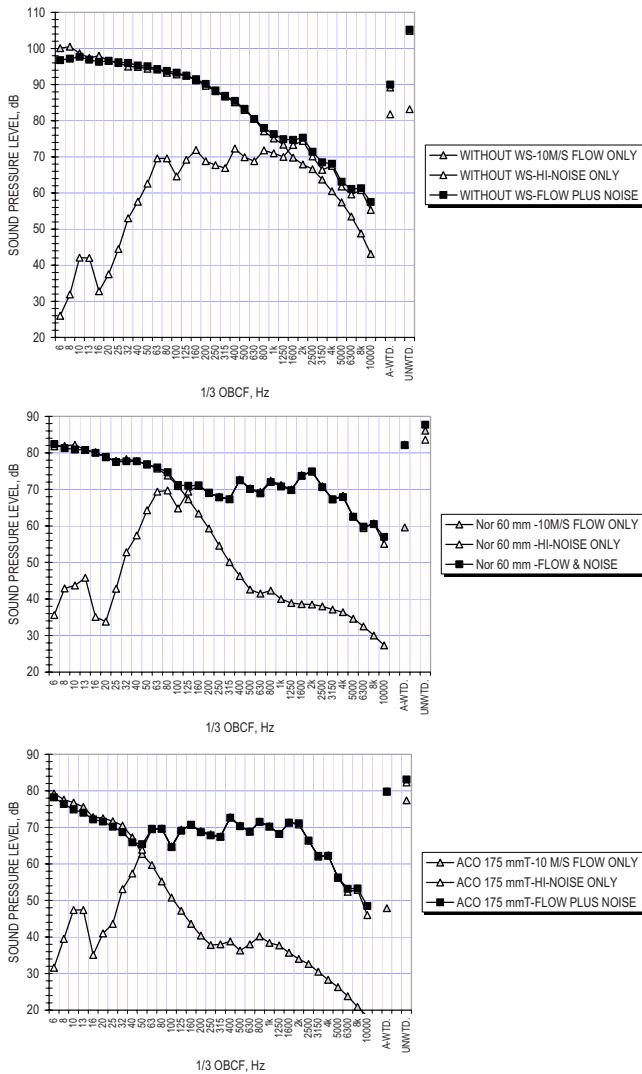


Fig. 10—Flow only, noise only and flow and noise measurements.

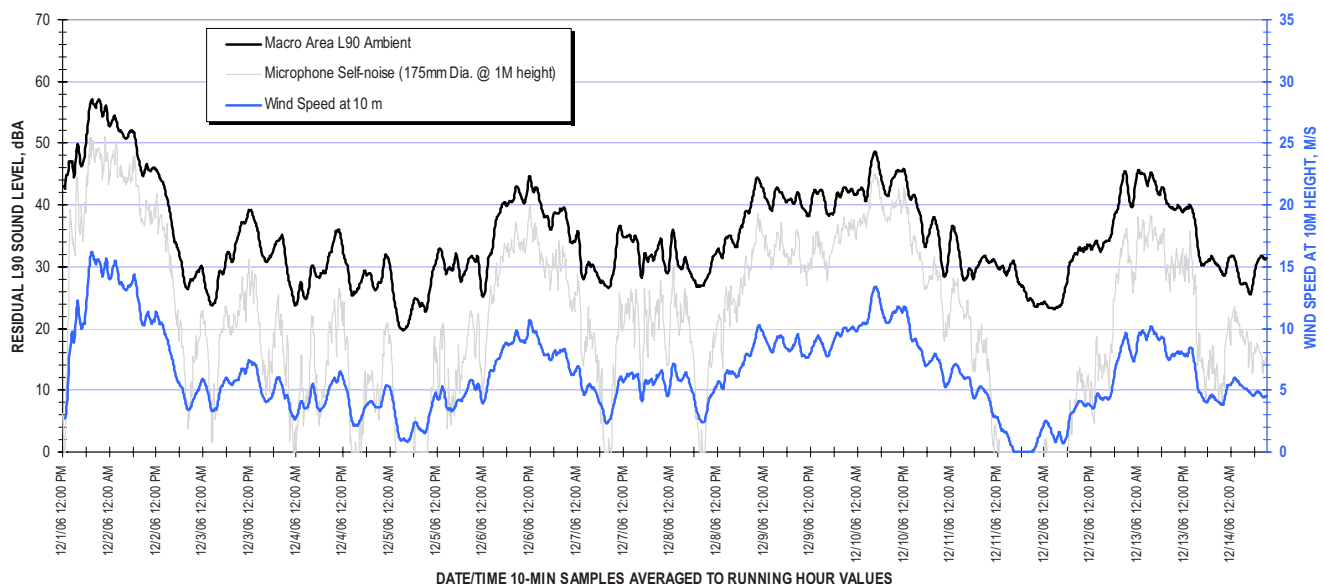


Fig. 11—Measured community ambient level compared to estimated microphone response to wind.

Table 2—Measured attenuation for windscreen models, 90 degree sound incidence.

1/3 OBCF, Hz	NOR 60 mm	NOR 90 mm	ACO 175 mm TREATED	ACO 75 mm TREATED	ACO 175 mm UNTREATED	NOR1212 OUTDOOR	GRAS41AO OUTDOOR	NOSE CONE
100	0.0	-0.1	-0.2	0.0	0.1	0.1	-0.2	-0.2
125	-0.1	0.1	0.1	0.1	0.2	0.3	-0.1	-0.1
160	0.7	0.9	0.8	0.8	0.7	1.2	0.5	0.2
200	-0.1	0.0	-0.1	0.0	0.1	0.2	-0.1	-0.2
250	-0.2	-0.2	-0.4	-0.1	-0.1	0.0	-0.3	-0.4
315	-0.7	-0.6	-0.8	-0.7	-0.8	-0.4	-0.5	-0.9
400	-0.4	-0.3	-0.4	-0.3	-0.4	0.1	-0.4	-0.6
500	-0.3	-0.3	-0.5	-0.2	-0.3	0.1	-0.3	-0.3
630	-0.4	-0.4	0.0	-0.4	-0.4	0.0	-0.4	-0.4
800	-0.4	-0.5	0.4	-0.5	-0.5	-0.1	-0.3	-0.1
1K	-0.2	-0.2	0.7	-0.2	-0.2	0.2	-0.3	-0.6
1250	0.0	-0.2	1.8	-0.1	0.0	0.3	-0.5	0.3
1600	-0.5	-0.6	2.2	-0.6	-0.3	-0.5	-0.6	-0.2
2K	-0.4	-0.7	3.7	-0.4	0.3	-0.3	-0.8	-1.1
2500	-0.6	-0.8	3.8	-0.7	0.3	0.0	-0.8	-0.8
3150	-0.7	-0.6	4.5	-0.5	0.3	-0.7	-0.8	-0.6
4K	-0.7	-0.3	5.3	-0.2	0.5	-1.0	-0.7	-0.9
5K	-0.6	-0.1	5.8	0.2	0.6	-1.5	0.0	-1.1
6300	0.2	0.3	7.2	1.0	1.0	-2.8	0.6	-1.7
8K	0.2	0.3	8.0	0.8	1.0	-4.1	0.2	-1.9
10K	0.3	0.7	9.4	1.5	1.3	-2.7	0.1	-3.2

range from 18 to 31 dBA. Such levels are low to insignificant even compared to the quiet environmental sound levels that commonly exist in rural areas.

As an example, the self-noise sound levels associated with the field data illustrated in Figure 1 have been calculated from Eqn. (2) above (based on the 10 m wind data converted to 1 m) and used to correct the sound levels actually measured. The measured and corrected sound levels are plotted in Fig. 11. Since the microphone flow induced noise response alone is frequently 8 to 10 dBA below the measured levels, the adjustment is minimal in most instances (≤ 0.5 dBA) and therefore considered insignificant.

6 ACKNOWLEDGEMENTS

The author wishes to acknowledge both the technical and financial assistance provided by the Norsonic in Germany, Scantek, Inc., GRAS and ACO Pacific in the U.S.

7 REFERENCES

1. International Standard IEC 61400-11, *Wind turbine generator systems – Part 11: “Acoustic noise measurement techniques”*, 2nd edition 2002–12, (2002).
2. G. P. van den Berg, “The sound of high winds: the effect of atmospheric stability on wind turbine sound and microphone noise.” Ph.D. Thesis, National University of Groningen, The Netherlands, (2006).

Appendix B

Certificates of Sound Level Instrument Calibration

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

HAND-HELD ANALYZER

Manufactured by: **BRUEL & KJAER**
Model No: **2250**
Serial No: **3025302**
Calibration Recall No: **33497**

Submitted By:

Customer: **ANTHONY SAVINO JR.**
Company: **EPSILON ASSOCIATES, INC**
Address: **3 MILL & MAIN PLACE**
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. **2250** **BRUE**

Upon receipt for Calibration, the instrument was found to be:

Within **(X)**

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: **10-Nov-22**
Certificate Issue Date: **10-Nov-22**
Certificate No: **33497 - 5**

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



**West Caldwell
Calibration
Laboratories, Inc.**
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

MICROPHONE

Manufactured by: BRUEL & KJAER
Model No: 4952
Serial No: 3179704
Calibration Recall No: 33497

Submitted By:

Customer: ANTHONY SAVINO JR.
Company: EPSILON ASSOCIATES, INC
Address: 3 MILL & MAIN PLACE
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 4952 BRUE

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: 10-Nov-22
Certificate Issue Date: 10-Nov-22
Certificate No: 33497 -6

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



West Caldwell
Calibration
Laboratories, Inc.
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Calibration Lab. Cert. # 1533.01

Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2017, ANSI/NCCL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.49577

Instrument: Sound Level Meter
Model: 140
Manufacturer: Norsonic
Serial number: 1403381
Tested with: Microphone 40AN s/n 63854
Preamplifier 1209 s/n 12726
Type (class): 1
Customer: Epsilon Associates, Inc.
Tel/Fax: 978-897-7100/845-702-0251 / 978-897-0099

Date Calibrated: 4/26/2023 **Cal Due:** 4/26/2024
Status:

Received	Sent
X	X

In tolerance:

X

Out of tolerance:

--

See comments:

--

Contains non-accredited tests: Yes ☐ No ☒
Calibration service: Basic ☒ Standard ☐
Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:
Calibration of Sound Level Meters, Scantek Inc., Rev. 6/26/2015
SLM & Dosimeters – Acoustical Tests, Scantek Inc., Rev. 7/6/2011

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31061	Aug 3, 2022	Scantek, Inc./ NVLAP	Aug 3, 2023
DS-360-SRS	Function Generator	61646	Dec 21, 2022	ACR Env./ A2LA	Dec 21, 2024
34401A-Agilent	Digital Voltmeter	MY41022043	Apr 17, 2023	ACR Env./ A2LA	Apr 17, 2024
PTU300-Vaisala	Environment Monitor	P5011262	Sept 15, 2022	ACR Env./ A2LA	Sept 15, 2023
PC Program 1019 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1251-Norsonic	Calibrator	30878	Oct 31, 2022	Scantek, Inc./ NVLAP	Oct 31, 2023

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
22.8	100.67	45.2

Calibrated by:	Lydon Dawkins	Authorized signatory:	William Gallagher
Signature	<i>Lydon Dawkins</i>	Signature	<i>William Gallagher</i>
Date	4/26/2023	Date	4/28/2023

Calibration Certificates or Test Reports shall not be reproduced, except in full, without written approval of the laboratory.
This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government.

Document stored Y:\Calibration Lab\SLM 2023\Nor140_1403381_M1.doc

Scantek, Inc.
CALIBRATION LABORATORY

ISO 17025: 2017, ANSI/NCCL Z540:1994 Part 1
ACCREDITED by NVLAP (an ILAC MRA signatory)

NVLAP[®]
CALIBRATION
NVLAP Lab Code: 200625-0

Calibration Certificate No.49578

Instrument: Microphone
Model: 40AN
Manufacturer: GRAS
Serial number: 63854
Composed of:

Date Calibrated: 4/26/2023 **Cal Due:** 4/26/2024

Status:	Received	Sent
In tolerance:	X	X
Out of tolerance:		
See comments:		

Contains non-accredited tests: ☐ Yes ☒ No

Customer: Epsilon Associates, Inc.
978-897-7100/845-702-0251/978-
Tel/Fax: 897-0099

Address: 3 Mill & Main Place, Suite 250,
Maynard, MA 01754

Tested in accordance with the following procedures and standards:

Calibration of Measurement Microphones, Scantek, Inc., Rev. 2/25/2015

Instrumentation used for calibration: N-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31061	Aug 3, 2022	Scantek, Inc./ NVLAP	Aug 3, 2023
DS-360-SRS	Function Generator	61646	Dec 21, 2022	ACR Env./ A2LA	Dec 21, 2024
34401A-Agilent	Digital Voltmeter	MY41022043	Apr 17, 2023	ACR Env./ A2LA	Apr 17, 2024
PTU300-Vaisala	Environment Monitor	P5011262	Sept 15, 2022	ACR Env./ A2LA	Sept 15, 2023
PC Program 1017 Norsonic	Calibration software	v.6.1T	Validated Nov 2014	Scantek, Inc.	-
1253-Norsonic	Calibrator	28326	Oct 31, 2022	Scantek, Inc./ NVLAP	Oct 31, 2023
1203-Norsonic	Preamplifier	21270	Feb 16, 2023	Scantek, Inc./ NVLAP	Feb 16, 2024
4180-Brüel&Kjær	Microphone	2246115	Oct 6, 2021	DPLA / DANAK	Oct 6, 2023

Instrumentation and test results are traceable to SI - BIPM through standards maintained by NPL (UK) and NIST (USA)

Calibrated by:	Lydon Dawkins	Authorized signatory:	William Gallagher
Signature	<i>Lydon Dawkins</i>	Signature	<i>William Gallagher</i>
Date	4/26/2023	Date	4/28/2023

Calibration Certificates or Test Reports shall not be reproduced, except in full, without written approval of the laboratory.
This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government.

Document stored as: Y:\Calibration Lab\Mic 2023\GRAS40AN_63854_M1.doc

Page 1 of 2

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

HAND-HELD ANALYZER

Manufactured by: **BRUEL & KJAER**
 Model No: **2250**
 Serial No: **3025395**
 Calibration Recall No: **33497**

Submitted By:

Customer: **ANTHONY SAVINO JR.**
 Company: **EPSILON ASSOCIATES, INC**
 Address: **3 MILL & MAIN PLACE**
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. **2250** **BRUE**

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: **10-Nov-22**
 Certificate Issue Date: **10-Nov-22**
 Certificate No: **33497 -1**

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



Calibration Lab. Cert. # 1533.01

West Caldwell
Calibration
Laboratories, Inc.
 uncompromised calibration
 1575 State Route 96, Victor, NY 14564, U.S.A.

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

MICROPHONE

Manufactured by: BRUEL & KJAER
Model No: 4952
Serial No: 3179684
Calibration Recall No: 33497

Submitted By:

Customer: ANTHONY SAVINO JR.
Company: EPSILON ASSOCIATES, INC
Address: 3 MILL & MAIN PLACE
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 4952 BRUE

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: 10-Nov-22
Certificate Issue Date: 10-Nov-22
Certificate No: 33497 -2

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



**West Caldwell
Calibration
Laboratories, Inc.**
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

SOUND LEVEL METER

Manufactured by: **NORSONIC**
 Model No: **NOR140**
 Serial No: **1406827**
 Calibration Recall No: **33881**

Submitted By:

Customer: **ANTHONY SAVINO JR.**
 Company: **EPSILON ASSOCIATES, INC**
 Address: **3 MILL & MAIN PLACE**
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. **NOR140 NORS**

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: **27-Mar-23**
 Certificate Issue Date: **30-Mar-23**
 Certificate No: **33881 -7**

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories, Inc.
 uncompromised calibration
 1575 State Route 96, Victor, NY 14564, U.S.A.

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

MICROPHONE

Manufactured by: GRAS
Model No: 40AN
Serial No: 188289
Calibration Recall No: 33881

Submitted By:

Customer: ANTHONY SAVINO JR.
Company: EPSILON ASSOCIATES, INC
Address: 3 MILL & MAIN PLACE
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 40AN GRAS

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Approved by:

Calibration Date: 23-Mar-23
Certificate Issue Date: 30-Mar-23
Certificate No: 33881 -9

James Zhu

Quality Manager

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

ISO/IEC 17025



**West Caldwell
Calibration
Laboratories, Inc.**
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

PRECISION INTEGRATING SOUND LEVEL METER

Manufactured by: LARSON DAVIS

Model No: 831

Serial No: 0004373

Calibration Recall No: 33921

Submitted By:

Customer: ANTHONY SAVINO JR.

Company: EPSILON ASSOCIATES, INC

Address: 3 MILL & MAIN PLACE

MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 831 LARS

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: 21-Mar-23

Certificate Issue Date: 21-Mar-23

Certificate No: 33921 -1

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



**West Caldwell
Calibration
Laboratories, Inc.**
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Calibration Lab. Cert. # 1533.01

West Caldwell Calibration Laboratories Inc.

Certificate of Calibration

for

MICROPHONE

Manufactured by: PCB PIEZOTRONICS
Model No: 377C20
Serial No: 165061
Calibration Recall No: 33921

Submitted By:

Customer: ANTHONY SAVINO JR.
Company: EPSILON ASSOCIATES, INC
Address: 3 MILL & MAIN PLACE
MAYNARD

MA 01754

The subject instrument was calibrated to the indicated specification using standards traceable to the SI through the National Institute of Standards and Technology or to accepted values of natural physical constants. This document certifies that the instrument met the following specification upon its return to the submitter.

West Caldwell Calibration Laboratories Procedure No. 377C20 PCB PI

Upon receipt for Calibration, the instrument was found to be:

Within (X)

tolerance of the indicated specification. See attached Report of Calibration.

The information supplied certifies that the item listed above meets acceptance criteria under the decision rule: $A=(L-(U95))$, where A is the acceptance criteria, L is manufacturer specifications, and U95 is confidence level of 95% at $k=2$. The decision rule has been communicated and approved by customer during contract review. Measurements marked with (*) are not covered by the scope of current A2LA accreditation.

West Caldwell Calibration Laboratories' calibration control system meets the following requirements: ANSI/NCSL Z540-1, ISO 9001, and ISO 17025.

Note: With this Certificate, Report of Calibration is included.

Calibration Date: 21-Mar-23
Certificate Issue Date: 21-Mar-23
Certificate No: 33921 -3

QA Doc. #1051 Rev. 3.0 5/29/20

Certificate Page 1 of 1

Approved by:

James Zhu

Quality Manager

ISO/IEC 17025



West Caldwell
Calibration
Laboratories, Inc.
uncompromised calibration
1575 State Route 96, Victor, NY 14564, U.S.A.

Calibration Lab. Cert. # 1533.01

Appendix C

SUNY MesoNet Meteorological Data

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230719T000000	2023	07	19	00:00	61.8	99.7	0
20230719T000500	2023	07	19	00:05	61.9	99.7	0
20230719T001000	2023	07	19	00:10	61.9	99.6	0
20230719T001500	2023	07	19	00:15	62.1	99.7	0
20230719T002000	2023	07	19	00:20	62.2	99.6	0
20230719T002500	2023	07	19	00:25	62.1	99.6	0
20230719T003000	2023	07	19	00:30	62	99.5	0
20230719T003500	2023	07	19	00:35	62	99.6	0
20230719T004000	2023	07	19	00:40	62.1	99.6	0
20230719T004500	2023	07	19	00:45	62	99.5	0
20230719T005000	2023	07	19	00:50	62	99.5	0
20230719T005500	2023	07	19	00:55	61.6	99.4	0
20230719T010000	2023	07	19	01:00	61.2	99.3	0
20230719T010500	2023	07	19	01:05	60.9	99.1	0
20230719T011000	2023	07	19	01:10	60.9	99.1	0
20230719T011500	2023	07	19	01:15	60.8	99.1	0
20230719T012000	2023	07	19	01:20	60.3	98.9	0
20230719T012500	2023	07	19	01:25	59.6	98.7	0
20230719T013000	2023	07	19	01:30	59.8	99	0
20230719T013500	2023	07	19	01:35	60.1	99.1	0
20230719T014000	2023	07	19	01:40	60	99	0
20230719T014500	2023	07	19	01:45	60.4	98.9	0
20230719T015000	2023	07	19	01:50	60.2	98.6	0
20230719T015500	2023	07	19	01:55	60.3	98.6	0
20230719T020000	2023	07	19	02:00	60.3	98.7	0
20230719T020500	2023	07	19	02:05	59.7	98.3	0
20230719T021000	2023	07	19	02:10	59.5	98.5	0
20230719T021500	2023	07	19	02:15	59.2	98.3	0
20230719T022000	2023	07	19	02:20	58.8	98.3	0
20230719T022500	2023	07	19	02:25	58.6	98.3	0
20230719T023000	2023	07	19	02:30	58.7	98.6	0
20230719T023500	2023	07	19	02:35	58	98.3	0
20230719T024000	2023	07	19	02:40	58.3	98.6	0
20230719T024500	2023	07	19	02:45	58.1	98.8	0
20230719T025000	2023	07	19	02:50	57.9	98.7	0
20230719T025500	2023	07	19	02:55	57.7	98.8	0
20230719T030000	2023	07	19	03:00	57.1	98.7	0
20230719T030500	2023	07	19	03:05	56.8	98.7	0
20230719T031000	2023	07	19	03:10	56.8	98.9	0
20230719T031500	2023	07	19	03:15	56.4	98.9	0
20230719T032000	2023	07	19	03:20	56.3	99	0
20230719T032500	2023	07	19	03:25	56.3	99.1	0
20230719T033000	2023	07	19	03:30	56.5	99.3	0
20230719T033500	2023	07	19	03:35	55.8	98.9	0
20230719T034000	2023	07	19	03:40	55.7	99	0
20230719T034500	2023	07	19	03:45	55.5	99.3	0
20230719T035000	2023	07	19	03:50	55.6	99.3	0
20230719T035500	2023	07	19	03:55	55.3	99.3	0
20230719T040000	2023	07	19	04:00	56	99.6	0
20230719T040500	2023	07	19	04:05	55.4	99.5	0
20230719T041000	2023	07	19	04:10	54.8	99.1	0
20230719T041500	2023	07	19	04:15	55.4	99.7	0
20230719T042000	2023	07	19	04:20	55.4	99.7	0
20230719T042500	2023	07	19	04:25	55.4	99.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230719T043000	2023	07	19	04:30	55.2	99.5	0
20230719T043500	2023	07	19	04:35	54.7	99.4	0
20230719T044000	2023	07	19	04:40	55.1	99.8	0
20230719T044500	2023	07	19	04:45	54.5	99.4	0
20230719T045000	2023	07	19	04:50	54.4	99.5	0
20230719T045500	2023	07	19	04:55	54.4	99.7	0
20230719T050000	2023	07	19	05:00	54.1	99.5	0
20230719T050500	2023	07	19	05:05	54.1	99.7	0
20230719T051000	2023	07	19	05:10	53.5	99.4	0
20230719T051500	2023	07	19	05:15	53.9	99.8	0
20230719T052000	2023	07	19	05:20	53.5	99.7	0
20230719T052500	2023	07	19	05:25	53.9	100	0
20230719T053000	2023	07	19	05:30	53.4	99.5	0
20230719T053500	2023	07	19	05:35	53.5	99.6	0
20230719T054000	2023	07	19	05:40	53.4	99.7	0
20230719T054500	2023	07	19	05:45	53.6	100	0
20230719T055000	2023	07	19	05:50	53.9	100	0
20230719T055500	2023	07	19	05:55	53.5	99.8	0
20230719T060000	2023	07	19	06:00	53.7	99.9	0
20230719T060500	2023	07	19	06:05	53.8	99.9	0
20230719T061000	2023	07	19	06:10	53.9	99.9	0
20230719T061500	2023	07	19	06:15	54	99.9	0
20230719T062000	2023	07	19	06:20	53.9	99.9	0
20230719T062500	2023	07	19	06:25	54	100	0
20230719T063000	2023	07	19	06:30	54	99.9	0
20230719T063500	2023	07	19	06:35	54.1	99.9	0
20230719T064000	2023	07	19	06:40	54.4	99.9	0
20230719T064500	2023	07	19	06:45	54.5	99.8	0
20230719T065000	2023	07	19	06:50	55.2	99.8	0
20230719T065500	2023	07	19	06:55	55.6	99.9	0
20230719T070000	2023	07	19	07:00	55.9	100	0
20230719T070500	2023	07	19	07:05	56.3	99.7	0
20230719T071000	2023	07	19	07:10	56.8	100	0
20230719T071500	2023	07	19	07:15	57.2	99.6	0
20230719T072000	2023	07	19	07:20	57.7	99.8	0
20230719T072500	2023	07	19	07:25	58.6	99.6	0
20230719T073000	2023	07	19	07:30	58.9	99.4	0
20230719T073500	2023	07	19	07:35	59.5	99.3	0
20230719T074000	2023	07	19	07:40	60.2	99.1	0
20230719T074500	2023	07	19	07:45	60.5	98.7	0
20230719T075000	2023	07	19	07:50	61.2	97.3	0
20230719T075500	2023	07	19	07:55	61.3	96.5	0
20230719T080000	2023	07	19	08:00	60.8	95.3	0
20230719T080500	2023	07	19	08:05	60.7	95	0
20230719T081000	2023	07	19	08:10	61.1	93.6	0
20230719T081500	2023	07	19	08:15	61.5	93.9	0
20230719T082000	2023	07	19	08:20	61.8	92.7	0
20230719T082500	2023	07	19	08:25	61.9	91.4	0
20230719T083000	2023	07	19	08:30	62	91.1	0
20230719T083500	2023	07	19	08:35	62.3	89.3	0
20230719T084000	2023	07	19	08:40	63	87.5	0
20230719T084500	2023	07	19	08:45	63.6	88.1	0
20230719T085000	2023	07	19	08:50	64.3	85.8	0
20230719T085500	2023	07	19	08:55	64.1	81.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230719T090000	2023	07	19	09:00	64.2	81.1	0
20230719T090500	2023	07	19	09:05	65.2	82.2	0
20230719T091000	2023	07	19	09:10	64.8	79.6	0
20230719T091500	2023	07	19	09:15	65	79.4	0
20230719T092000	2023	07	19	09:20	66.4	81	0
20230719T092500	2023	07	19	09:25	66	74.5	0
20230719T093000	2023	07	19	09:30	68.1	74.9	0
20230719T093500	2023	07	19	09:35	69.2	73.6	0
20230719T094000	2023	07	19	09:40	69.9	75.2	0
20230719T094500	2023	07	19	09:45	69	72.9	0
20230719T095000	2023	07	19	09:50	69.7	69.9	0
20230719T095500	2023	07	19	09:55	69.7	65.4	0
20230719T100000	2023	07	19	10:00	69.5	65	0
20230719T100500	2023	07	19	10:05	69.8	61.6	0
20230719T101000	2023	07	19	10:10	70.1	63.8	0
20230719T101500	2023	07	19	10:15	70.4	62.3	0
20230719T102000	2023	07	19	10:20	70.4	60.5	0
20230719T102500	2023	07	19	10:25	70.5	59.6	0
20230719T103000	2023	07	19	10:30	70.9	60.4	0
20230719T103500	2023	07	19	10:35	70.7	58.7	0
20230719T104000	2023	07	19	10:40	71	59.9	0
20230719T104500	2023	07	19	10:45	70.8	58.1	0
20230719T105000	2023	07	19	10:50	71.3	58.5	0
20230719T105500	2023	07	19	10:55	71.6	59.9	0
20230719T110000	2023	07	19	11:00	71.4	59.8	0
20230719T110500	2023	07	19	11:05	72	58.9	0
20230719T111000	2023	07	19	11:10	72.2	58.6	0
20230719T111500	2023	07	19	11:15	71.4	59.1	0
20230719T112000	2023	07	19	11:20	71.2	59.8	0
20230719T112500	2023	07	19	11:25	72.1	58.3	0
20230719T113000	2023	07	19	11:30	72.5	57.6	0
20230719T113500	2023	07	19	11:35	72.3	55.9	0
20230719T114000	2023	07	19	11:40	72.5	54.7	0
20230719T114500	2023	07	19	11:45	73.4	60	0
20230719T115000	2023	07	19	11:50	72.6	54.1	0
20230719T115500	2023	07	19	11:55	72.6	56.2	0
20230719T120000	2023	07	19	12:00	71.7	56.1	0
20230719T120500	2023	07	19	12:05	71.8	54.9	0
20230719T121000	2023	07	19	12:10	71.7	54.5	0
20230719T121500	2023	07	19	12:15	72.6	58.3	0
20230719T122000	2023	07	19	12:20	73.6	56.1	0
20230719T122500	2023	07	19	12:25	73.8	57.3	0
20230719T123000	2023	07	19	12:30	74	56.5	0
20230719T123500	2023	07	19	12:35	73.3	56.6	0
20230719T124000	2023	07	19	12:40	72.7	56	0
20230719T124500	2023	07	19	12:45	72.9	54.8	0
20230719T125000	2023	07	19	12:50	73.4	55.5	0
20230719T125500	2023	07	19	12:55	73.6	55.3	0
20230719T130000	2023	07	19	13:00	73.1	53	0
20230719T130500	2023	07	19	13:05	74.3	55.7	0
20230719T131000	2023	07	19	13:10	74.3	53.9	0
20230719T131500	2023	07	19	13:15	73	53.7	0
20230719T132000	2023	07	19	13:20	73.1	54.9	0
20230719T132500	2023	07	19	13:25	74.2	54.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230719T133000	2023	07	19	13:30	75	55.6	0
20230719T133500	2023	07	19	13:35	74.9	55	0
20230719T134000	2023	07	19	13:40	74.3	56.4	0
20230719T134500	2023	07	19	13:45	74.6	56.9	0
20230719T135000	2023	07	19	13:50	74.6	54.7	0
20230719T135500	2023	07	19	13:55	75	55.6	0
20230719T140000	2023	07	19	14:00	73.6	53.5	0
20230719T140500	2023	07	19	14:05	73.3	54.3	0
20230719T141000	2023	07	19	14:10	74.6	54.9	0
20230719T141500	2023	07	19	14:15	75.8	52.5	0
20230719T142000	2023	07	19	14:20	74.6	52	0
20230719T142500	2023	07	19	14:25	74.6	50.6	0
20230719T143000	2023	07	19	14:30	74	50.9	0
20230719T143500	2023	07	19	14:35	74.8	52.2	0
20230719T144000	2023	07	19	14:40	74.2	52.5	0
20230719T144500	2023	07	19	14:45	73.9	52.6	0
20230719T145000	2023	07	19	14:50	74.6	51.3	0
20230719T145500	2023	07	19	14:55	74.5	50.6	0
20230719T150000	2023	07	19	15:00	74.1	54.5	0
20230719T150500	2023	07	19	15:05	74.9	55.6	0
20230719T151000	2023	07	19	15:10	75	54.7	0
20230719T151500	2023	07	19	15:15	75.4	54.4	0
20230719T152000	2023	07	19	15:20	75.3	51.8	0
20230719T152500	2023	07	19	15:25	75.1	52.5	0
20230719T153000	2023	07	19	15:30	74.6	52.2	0
20230719T153500	2023	07	19	15:35	74.2	53.6	0
20230719T154000	2023	07	19	15:40	75.2	52.9	0
20230719T154500	2023	07	19	15:45	75.4	52.7	0
20230719T155000	2023	07	19	15:50	75.6	51.7	0
20230719T155500	2023	07	19	15:55	75.9	52.5	0
20230719T160000	2023	07	19	16:00	75.7	52	0
20230719T160500	2023	07	19	16:05	75.6	53.1	0
20230719T161000	2023	07	19	16:10	75.4	53.4	0
20230719T161500	2023	07	19	16:15	75.6	52.9	0
20230719T162000	2023	07	19	16:20	75.9	53.5	0
20230719T162500	2023	07	19	16:25	75.3	54.4	0
20230719T163000	2023	07	19	16:30	74.7	54.4	0
20230719T163500	2023	07	19	16:35	75.7	53.7	0
20230719T164000	2023	07	19	16:40	75.7	52.9	0
20230719T164500	2023	07	19	16:45	75.2	54.3	0
20230719T165000	2023	07	19	16:50	75	53.1	0
20230719T165500	2023	07	19	16:55	75.2	52.4	0
20230719T170000	2023	07	19	17:00	75.2	52.9	0
20230719T170500	2023	07	19	17:05	74.8	54	0
20230719T171000	2023	07	19	17:10	75.6	56.5	0
20230719T171500	2023	07	19	17:15	73.6	56.8	0
20230719T172000	2023	07	19	17:20	73	57.3	0
20230719T172500	2023	07	19	17:25	73.5	58	0
20230719T173000	2023	07	19	17:30	74.7	55.9	0
20230719T173500	2023	07	19	17:35	74.6	56.8	0
20230719T174000	2023	07	19	17:40	74.4	56	0
20230719T174500	2023	07	19	17:45	74.1	56.3	0
20230719T175000	2023	07	19	17:50	73.4	57.5	0
20230719T175500	2023	07	19	17:55	73.1	58.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230719T180000	2023	07	19	18:00	72.5	58.5	0
20230719T180500	2023	07	19	18:05	72.5	59.2	0
20230719T181000	2023	07	19	18:10	73.2	58.3	0
20230719T181500	2023	07	19	18:15	73.5	57.7	0
20230719T182000	2023	07	19	18:20	73.4	58.1	0
20230719T182500	2023	07	19	18:25	73.2	57.4	0
20230719T183000	2023	07	19	18:30	73	58.5	0
20230719T183500	2023	07	19	18:35	72.7	57.5	0
20230719T184000	2023	07	19	18:40	72.6	58.3	0
20230719T184500	2023	07	19	18:45	72.5	58.4	0
20230719T185000	2023	07	19	18:50	72.4	57.7	0
20230719T185500	2023	07	19	18:55	72.2	58.2	0
20230719T190000	2023	07	19	19:00	72.1	58.9	0
20230719T190500	2023	07	19	19:05	72	58.5	0
20230719T191000	2023	07	19	19:10	71.7	58.9	0
20230719T191500	2023	07	19	19:15	71.5	60.5	0
20230719T192000	2023	07	19	19:20	71.3	60.3	0
20230719T192500	2023	07	19	19:25	71.1	60.2	0
20230719T193000	2023	07	19	19:30	70.8	60.5	0
20230719T193500	2023	07	19	19:35	70.4	61.5	0
20230719T194000	2023	07	19	19:40	70.3	61.9	0
20230719T194500	2023	07	19	19:45	70.1	61.9	0
20230719T195000	2023	07	19	19:50	69.8	62.4	0
20230719T195500	2023	07	19	19:55	69.4	63.5	0
20230719T200000	2023	07	19	20:00	68.8	64.5	0
20230719T200500	2023	07	19	20:05	68.1	66.4	0
20230719T201000	2023	07	19	20:10	67.9	66.9	0
20230719T201500	2023	07	19	20:15	67.8	66.6	0
20230719T202000	2023	07	19	20:20	66.7	68.4	0
20230719T202500	2023	07	19	20:25	65.6	70.9	0
20230719T203000	2023	07	19	20:30	65.3	72.1	0
20230719T203500	2023	07	19	20:35	64.7	74.6	0
20230719T204000	2023	07	19	20:40	64.5	75.2	0
20230719T204500	2023	07	19	20:45	63.5	76.7	0
20230719T205000	2023	07	19	20:50	62.7	79.4	0
20230719T205500	2023	07	19	20:55	61.5	84.7	0
20230719T210000	2023	07	19	21:00	60.9	87.7	0
20230719T210500	2023	07	19	21:05	61.2	87.6	0
20230719T211000	2023	07	19	21:10	61	86.9	0
20230719T211500	2023	07	19	21:15	60.4	90	0
20230719T212000	2023	07	19	21:20	60.3	90.6	0
20230719T212500	2023	07	19	21:25	59.8	90.9	0
20230719T213000	2023	07	19	21:30	59.8	91.4	0
20230719T213500	2023	07	19	21:35	58.8	92.9	0
20230719T214000	2023	07	19	21:40	58.4	94	0
20230719T214500	2023	07	19	21:45	58.3	94.6	0
20230719T215000	2023	07	19	21:50	58.5	94.5	0
20230719T215500	2023	07	19	21:55	59	93.5	0
20230719T220000	2023	07	19	22:00	57.9	92.5	0
20230719T220500	2023	07	19	22:05	57.4	93.1	0
20230719T221000	2023	07	19	22:10	57.3	93.3	0
20230719T221500	2023	07	19	22:15	57.4	93.9	0
20230719T222000	2023	07	19	22:20	57.2	95.2	0
20230719T222500	2023	07	19	22:25	56.5	95.6	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230719T223000	2023	07	19	22:30	56.3	96.2	0
20230719T223500	2023	07	19	22:35	56	95.9	0
20230719T224000	2023	07	19	22:40	56.1	96.1	0
20230719T224500	2023	07	19	22:45	55.7	96.4	0
20230719T225000	2023	07	19	22:50	55.6	96.6	0
20230719T225500	2023	07	19	22:55	55.5	96.8	0
20230719T230000	2023	07	19	23:00	55.2	96.9	0
20230719T230500	2023	07	19	23:05	55.4	97.4	0
20230719T231000	2023	07	19	23:10	55.1	96.9	0
20230719T231500	2023	07	19	23:15	54.9	96.5	0
20230719T232000	2023	07	19	23:20	54.5	96.6	0
20230719T232500	2023	07	19	23:25	54.6	96.7	0
20230719T233000	2023	07	19	23:30	54.3	97	0
20230719T233500	2023	07	19	23:35	54.5	97.6	0
20230719T234000	2023	07	19	23:40	54.2	97.6	0
20230719T234500	2023	07	19	23:45	53.9	97.5	0
20230719T235000	2023	07	19	23:50	53.8	97.6	0
20230719T235500	2023	07	19	23:55	53.7	97.9	0
20230720T000000	2023	07	20	00:00	53.4	97.9	0
20230720T000500	2023	07	20	00:05	53.2	98.3	0
20230720T001000	2023	07	20	00:10	53.2	97.8	0
20230720T001500	2023	07	20	00:15	52.3	97.8	0
20230720T002000	2023	07	20	00:20	51.9	97.8	0
20230720T002500	2023	07	20	00:25	52.4	98.3	0
20230720T003000	2023	07	20	00:30	52.8	98.4	0
20230720T003500	2023	07	20	00:35	53.1	98.3	0
20230720T004000	2023	07	20	00:40	52.7	98.3	0
20230720T004500	2023	07	20	00:45	52.2	98	0
20230720T005000	2023	07	20	00:50	51.4	97.7	0
20230720T005500	2023	07	20	00:55	51.8	98.3	0
20230720T010000	2023	07	20	01:00	52.2	98.5	0
20230720T010500	2023	07	20	01:05	52	98.5	0
20230720T011000	2023	07	20	01:10	51.8	98.3	0
20230720T011500	2023	07	20	01:15	51.8	98.3	0
20230720T012000	2023	07	20	01:20	52.2	98.7	0
20230720T012500	2023	07	20	01:25	51.6	98.4	0
20230720T013000	2023	07	20	01:30	51.7	98.5	0
20230720T013500	2023	07	20	01:35	51.5	98.4	0
20230720T014000	2023	07	20	01:40	51.4	98.5	0
20230720T014500	2023	07	20	01:45	51	98.6	0
20230720T015000	2023	07	20	01:50	50.8	98.7	0
20230720T015500	2023	07	20	01:55	50.8	98.4	0
20230720T020000	2023	07	20	02:00	51.1	98.8	0
20230720T020500	2023	07	20	02:05	50.9	98.8	0
20230720T021000	2023	07	20	02:10	50.7	98.9	0
20230720T021500	2023	07	20	02:15	50.2	98.6	0
20230720T022000	2023	07	20	02:20	50.5	99	0
20230720T022500	2023	07	20	02:25	50.7	99	0
20230720T023000	2023	07	20	02:30	50.6	98.9	0
20230720T023500	2023	07	20	02:35	51.2	99.2	0
20230720T024000	2023	07	20	02:40	51	99.1	0
20230720T024500	2023	07	20	02:45	50.4	98.8	0
20230720T025000	2023	07	20	02:50	50.3	98.8	0
20230720T025500	2023	07	20	02:55	50.2	98.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230720T030000	2023	07	20	03:00	50.1	99.1	0
20230720T030500	2023	07	20	03:05	49.6	99	0
20230720T031000	2023	07	20	03:10	49.4	98.9	0
20230720T031500	2023	07	20	03:15	49.4	98.8	0
20230720T032000	2023	07	20	03:20	50	99.2	0
20230720T032500	2023	07	20	03:25	48.8	98.7	0
20230720T033000	2023	07	20	03:30	49.3	99	0
20230720T033500	2023	07	20	03:35	49.2	99.2	0
20230720T034000	2023	07	20	03:40	49.5	99.3	0
20230720T034500	2023	07	20	03:45	49.6	99.2	0
20230720T035000	2023	07	20	03:50	49.5	99.2	0
20230720T035500	2023	07	20	03:55	49.2	99.1	0
20230720T040000	2023	07	20	04:00	49.3	99.2	0
20230720T040500	2023	07	20	04:05	49.4	99.3	0
20230720T041000	2023	07	20	04:10	49.3	99.3	0
20230720T041500	2023	07	20	04:15	48.9	99	0
20230720T042000	2023	07	20	04:20	48.8	99.2	0
20230720T042500	2023	07	20	04:25	48.6	99.2	0
20230720T043000	2023	07	20	04:30	48.6	99.1	0
20230720T043500	2023	07	20	04:35	48.6	99.2	0
20230720T044000	2023	07	20	04:40	48.7	99.4	0
20230720T044500	2023	07	20	04:45	48.4	99.3	0
20230720T045000	2023	07	20	04:50	48.4	99.4	0
20230720T045500	2023	07	20	04:55	48.3	99.5	0
20230720T050000	2023	07	20	05:00	48.4	99.3	0
20230720T050500	2023	07	20	05:05	48.4	99.3	0
20230720T051000	2023	07	20	05:10	48	99.2	0
20230720T051500	2023	07	20	05:15	47.9	99.3	0
20230720T052000	2023	07	20	05:20	48.2	99.5	0
20230720T052500	2023	07	20	05:25	48.3	99.5	0
20230720T053000	2023	07	20	05:30	48.1	99.4	0
20230720T053500	2023	07	20	05:35	48	99.3	0
20230720T054000	2023	07	20	05:40	47.8	99.4	0
20230720T054500	2023	07	20	05:45	47.9	99.4	0
20230720T055000	2023	07	20	05:50	48	99.7	0
20230720T055500	2023	07	20	05:55	47.7	99.4	0
20230720T060000	2023	07	20	06:00	47.6	99.4	0
20230720T060500	2023	07	20	06:05	47.6	99.3	0
20230720T061000	2023	07	20	06:10	47.7	99.5	0
20230720T061500	2023	07	20	06:15	48.2	99.6	0
20230720T062000	2023	07	20	06:20	48.6	99.7	0
20230720T062500	2023	07	20	06:25	48.7	99.5	0
20230720T063000	2023	07	20	06:30	49	99.5	0
20230720T063500	2023	07	20	06:35	50	99.7	0
20230720T064000	2023	07	20	06:40	49.8	99	0
20230720T064500	2023	07	20	06:45	50	99.2	0
20230720T065000	2023	07	20	06:50	50.6	99.1	0
20230720T065500	2023	07	20	06:55	51.3	99.1	0
20230720T070000	2023	07	20	07:00	51.7	98.5	0
20230720T070500	2023	07	20	07:05	52.4	97.7	0
20230720T071000	2023	07	20	07:10	53.1	96.1	0
20230720T071500	2023	07	20	07:15	53.1	95.4	0
20230720T072000	2023	07	20	07:20	53.9	95.3	0
20230720T072500	2023	07	20	07:25	54.6	95.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230720T073000	2023	07	20	07:30	54.4	93.9	0
20230720T073500	2023	07	20	07:35	54.4	92.7	0
20230720T074000	2023	07	20	07:40	54.5	92.9	0
20230720T074500	2023	07	20	07:45	54.7	92.1	0
20230720T075000	2023	07	20	07:50	55.5	92.6	0
20230720T075500	2023	07	20	07:55	56.4	91.8	0
20230720T080000	2023	07	20	08:00	57.1	90.1	0
20230720T080500	2023	07	20	08:05	57.5	88.3	0
20230720T081000	2023	07	20	08:10	58.2	87.5	0
20230720T081500	2023	07	20	08:15	58.7	86.8	0
20230720T082000	2023	07	20	08:20	58.9	86.1	0
20230720T082500	2023	07	20	08:25	59.7	85.8	0
20230720T083000	2023	07	20	08:30	60.2	84.4	0
20230720T083500	2023	07	20	08:35	61	83.9	0
20230720T084000	2023	07	20	08:40	61.6	83	0
20230720T084500	2023	07	20	08:45	62.7	81.2	0
20230720T085000	2023	07	20	08:50	63.7	79.2	0
20230720T085500	2023	07	20	08:55	64.2	77.1	0
20230720T090000	2023	07	20	09:00	64.7	77.2	0
20230720T090500	2023	07	20	09:05	65.4	77.3	0
20230720T091000	2023	07	20	09:10	65.9	75.5	0
20230720T091500	2023	07	20	09:15	66.6	76.3	0
20230720T092000	2023	07	20	09:20	66.9	74.4	0
20230720T092500	2023	07	20	09:25	67.5	72.7	0
20230720T093000	2023	07	20	09:30	67.7	72.2	0
20230720T093500	2023	07	20	09:35	68.2	73	0
20230720T094000	2023	07	20	09:40	68.3	71.3	0
20230720T094500	2023	07	20	09:45	68.7	70.7	0
20230720T095000	2023	07	20	09:50	69.2	69.3	0
20230720T095500	2023	07	20	09:55	69.5	68.7	0
20230720T100000	2023	07	20	10:00	69.5	65.2	0
20230720T100500	2023	07	20	10:05	69.4	64.5	0
20230720T101000	2023	07	20	10:10	70.1	63.8	0
20230720T101500	2023	07	20	10:15	70.5	64	0
20230720T102000	2023	07	20	10:20	70.4	62	0
20230720T102500	2023	07	20	10:25	70.8	62.6	0
20230720T103000	2023	07	20	10:30	71.2	63	0
20230720T103500	2023	07	20	10:35	71.3	60.6	0
20230720T104000	2023	07	20	10:40	72.1	61.7	0
20230720T104500	2023	07	20	10:45	72.6	61	0
20230720T105000	2023	07	20	10:50	72.8	59.5	0
20230720T105500	2023	07	20	10:55	73.1	57.7	0
20230720T110000	2023	07	20	11:00	73.1	57.1	0
20230720T110500	2023	07	20	11:05	73.4	56.7	0
20230720T111000	2023	07	20	11:10	73.3	54.8	0
20230720T111500	2023	07	20	11:15	73.6	54.7	0
20230720T112000	2023	07	20	11:20	73.5	55.5	0
20230720T112500	2023	07	20	11:25	73.7	54.4	0
20230720T113000	2023	07	20	11:30	73.8	55.1	0
20230720T113500	2023	07	20	11:35	74.1	53.3	0
20230720T114000	2023	07	20	11:40	74.5	50.3	0
20230720T114500	2023	07	20	11:45	75	49.8	0
20230720T115000	2023	07	20	11:50	75.3	50.8	0
20230720T115500	2023	07	20	11:55	75.1	49.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230720T120000	2023	07	20	12:00	75.2	50.8	0
20230720T120500	2023	07	20	12:05	75.4	50.4	0
20230720T121000	2023	07	20	12:10	75.6	49.7	0
20230720T121500	2023	07	20	12:15	75.6	48.8	0
20230720T122000	2023	07	20	12:20	76.1	50	0
20230720T122500	2023	07	20	12:25	75.9	48.1	0
20230720T123000	2023	07	20	12:30	76	48.6	0
20230720T123500	2023	07	20	12:35	76.5	49.4	0
20230720T124000	2023	07	20	12:40	76.3	48.9	0
20230720T124500	2023	07	20	12:45	76.7	49.3	0
20230720T125000	2023	07	20	12:50	76.8	49.4	0
20230720T125500	2023	07	20	12:55	77	49.2	0
20230720T130000	2023	07	20	13:00	77.1	49.4	0
20230720T130500	2023	07	20	13:05	76.9	48.2	0
20230720T131000	2023	07	20	13:10	77.3	48.8	0
20230720T131500	2023	07	20	13:15	77.5	49.2	0
20230720T132000	2023	07	20	13:20	77.9	50.5	0
20230720T132500	2023	07	20	13:25	78	49.3	0
20230720T133000	2023	07	20	13:30	77.9	49.2	0
20230720T133500	2023	07	20	13:35	78.3	50.1	0
20230720T134000	2023	07	20	13:40	78.7	48.9	0
20230720T134500	2023	07	20	13:45	78.5	47.5	0
20230720T135000	2023	07	20	13:50	76.9	44	0
20230720T135500	2023	07	20	13:55	77.1	47.5	0
20230720T140000	2023	07	20	14:00	78.7	48.5	0
20230720T140500	2023	07	20	14:05	79.1	46.1	0
20230720T141000	2023	07	20	14:10	79.3	45.4	0
20230720T141500	2023	07	20	14:15	78.8	43	0
20230720T142000	2023	07	20	14:20	79.5	48.3	0
20230720T142500	2023	07	20	14:25	78.6	46.3	0
20230720T143000	2023	07	20	14:30	79.2	50.7	0
20230720T143500	2023	07	20	14:35	79.3	48.8	0
20230720T144000	2023	07	20	14:40	79.6	47.7	0
20230720T144500	2023	07	20	14:45	78.2	45.3	0
20230720T145000	2023	07	20	14:50	79.1	45.6	0
20230720T145500	2023	07	20	14:55	79.5	48.3	0
20230720T150000	2023	07	20	15:00	80.1	46.5	0
20230720T150500	2023	07	20	15:05	80	45.4	0
20230720T151000	2023	07	20	15:10	79.4	44.9	0
20230720T151500	2023	07	20	15:15	78.8	49.3	0
20230720T152000	2023	07	20	15:20	79.5	50.4	0
20230720T152500	2023	07	20	15:25	80.3	47.5	0
20230720T153000	2023	07	20	15:30	79.7	45.5	0
20230720T153500	2023	07	20	15:35	78.4	44.7	0
20230720T154000	2023	07	20	15:40	78.9	46.6	0
20230720T154500	2023	07	20	15:45	78.8	45.3	0
20230720T155000	2023	07	20	15:50	79.8	46.8	0
20230720T155500	2023	07	20	15:55	79.3	47.3	0
20230720T160000	2023	07	20	16:00	80	46.2	0
20230720T160500	2023	07	20	16:05	80.5	43.8	0
20230720T161000	2023	07	20	16:10	80.6	44.8	0
20230720T161500	2023	07	20	16:15	81.1	45.7	0
20230720T162000	2023	07	20	16:20	80.9	46.2	0
20230720T162500	2023	07	20	16:25	80.6	46.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230720T163000	2023	07	20	16:30	80.7	48.4	0
20230720T163500	2023	07	20	16:35	80	46.1	0
20230720T164000	2023	07	20	16:40	79.3	46.1	0
20230720T164500	2023	07	20	16:45	79.7	45.8	0
20230720T165000	2023	07	20	16:50	79.6	46.6	0
20230720T165500	2023	07	20	16:55	79	47.2	0
20230720T170000	2023	07	20	17:00	78.6	47.9	0
20230720T170500	2023	07	20	17:05	78.8	49	0
20230720T171000	2023	07	20	17:10	79.1	49.3	0
20230720T171500	2023	07	20	17:15	78.5	49.7	0
20230720T172000	2023	07	20	17:20	79.4	49.7	0
20230720T172500	2023	07	20	17:25	79.1	48.6	0
20230720T173000	2023	07	20	17:30	78.4	50.5	0
20230720T173500	2023	07	20	17:35	78	52.7	0
20230720T174000	2023	07	20	17:40	77.7	53.5	0
20230720T174500	2023	07	20	17:45	77.8	53.1	0
20230720T175000	2023	07	20	17:50	78	53.3	0
20230720T175500	2023	07	20	17:55	77.9	52.9	0
20230720T180000	2023	07	20	18:00	77.5	53.7	0
20230720T180500	2023	07	20	18:05	77.5	54.6	0
20230720T181000	2023	07	20	18:10	77.8	54.8	0
20230720T181500	2023	07	20	18:15	77.9	55.3	0
20230720T182000	2023	07	20	18:20	78.1	54.9	0
20230720T182500	2023	07	20	18:25	77.4	55.1	0
20230720T183000	2023	07	20	18:30	77.2	56.4	0
20230720T183500	2023	07	20	18:35	77.8	56.6	0
20230720T184000	2023	07	20	18:40	78.1	55.9	0
20230720T184500	2023	07	20	18:45	78.3	56.7	0
20230720T185000	2023	07	20	18:50	78.4	55.8	0
20230720T185500	2023	07	20	18:55	78.2	57.1	0
20230720T190000	2023	07	20	19:00	78.2	57.6	0
20230720T190500	2023	07	20	19:05	77.8	57.8	0
20230720T191000	2023	07	20	19:10	77.3	58.1	0
20230720T191500	2023	07	20	19:15	77	57.1	0
20230720T192000	2023	07	20	19:20	76.4	57.9	0
20230720T192500	2023	07	20	19:25	76.2	57.8	0
20230720T193000	2023	07	20	19:30	76	57.7	0
20230720T193500	2023	07	20	19:35	75.7	58.5	0
20230720T194000	2023	07	20	19:40	75.3	59.2	0
20230720T194500	2023	07	20	19:45	74.9	59.5	0
20230720T195000	2023	07	20	19:50	74	62.3	0
20230720T195500	2023	07	20	19:55	73	66.2	0
20230720T200000	2023	07	20	20:00	72.2	67.4	0
20230720T200500	2023	07	20	20:05	71.4	67.9	0
20230720T201000	2023	07	20	20:10	70.6	72.6	0
20230720T201500	2023	07	20	20:15	70	74.7	0
20230720T202000	2023	07	20	20:20	69.4	78.8	0
20230720T202500	2023	07	20	20:25	68.8	81.9	0
20230720T203000	2023	07	20	20:30	68.5	83	0
20230720T203500	2023	07	20	20:35	68.4	83	0
20230720T204000	2023	07	20	20:40	67.8	83.6	0
20230720T204500	2023	07	20	20:45	67.1	84.9	0
20230720T205000	2023	07	20	20:50	66.8	86.1	0
20230720T205500	2023	07	20	20:55	66.2	87.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230720T210000	2023	07	20	21:00	66.4	86.8	0
20230720T210500	2023	07	20	21:05	66.5	86.9	0
20230720T211000	2023	07	20	21:10	66.2	87.2	0
20230720T211500	2023	07	20	21:15	66	87.2	0
20230720T212000	2023	07	20	21:20	65.7	87.3	0
20230720T212500	2023	07	20	21:25	65.7	88.1	0
20230720T213000	2023	07	20	21:30	66	87.7	0
20230720T213500	2023	07	20	21:35	65.6	87.9	0
20230720T214000	2023	07	20	21:40	65.4	88.5	0
20230720T214500	2023	07	20	21:45	65.9	88.4	0
20230720T215000	2023	07	20	21:50	66	87.7	0
20230720T215500	2023	07	20	21:55	65.8	87.4	0
20230720T220000	2023	07	20	22:00	65.9	87.3	0
20230720T220500	2023	07	20	22:05	66.2	87.2	0
20230720T221000	2023	07	20	22:10	66.5	86.2	0
20230720T221500	2023	07	20	22:15	66.4	85.7	0
20230720T222000	2023	07	20	22:20	66.2	86.1	0
20230720T222500	2023	07	20	22:25	66.7	86.3	0
20230720T223000	2023	07	20	22:30	66.2	86.4	0
20230720T223500	2023	07	20	22:35	66.1	86.7	0
20230720T224000	2023	07	20	22:40	66.7	86.7	0
20230720T224500	2023	07	20	22:45	66.8	85.7	0
20230720T225000	2023	07	20	22:50	67.3	85.3	0
20230720T225500	2023	07	20	22:55	67.4	85	0
20230720T230000	2023	07	20	23:00	67.6	85.1	0
20230720T230500	2023	07	20	23:05	67.8	85.3	0
20230720T231000	2023	07	20	23:10	68.6	84.4	0
20230720T231500	2023	07	20	23:15	68.9	83.7	0
20230720T232000	2023	07	20	23:20	69.8	82	0
20230720T232500	2023	07	20	23:25	69.9	80.3	0
20230720T233000	2023	07	20	23:30	70.1	79.3	0
20230720T233500	2023	07	20	23:35	70.1	79.6	0
20230720T234000	2023	07	20	23:40	70.5	79.6	0
20230720T234500	2023	07	20	23:45	70.6	78.9	0
20230720T235000	2023	07	20	23:50	70.5	79.4	0
20230720T235500	2023	07	20	23:55	70.8	78.8	0
20230721T000000	2023	07	21	00:00	70.7	78.9	0
20230721T000500	2023	07	21	00:05	70.8	78.8	0
20230721T001000	2023	07	21	00:10	70.8	79	0
20230721T001500	2023	07	21	00:15	70.7	79.3	0
20230721T002000	2023	07	21	00:20	70.9	79	0
20230721T002500	2023	07	21	00:25	70.8	79.5	0
20230721T003000	2023	07	21	00:30	70.9	79.9	0
20230721T003500	2023	07	21	00:35	70.8	76	0
20230721T004000	2023	07	21	00:40	70	71.5	0
20230721T004500	2023	07	21	00:45	69.1	71.9	0
20230721T005000	2023	07	21	00:50	68.1	73.4	0
20230721T005500	2023	07	21	00:55	67.1	76.1	0
20230721T010000	2023	07	21	01:00	66.3	79.1	0
20230721T010500	2023	07	21	01:05	65.3	82.8	0
20230721T011000	2023	07	21	01:10	64.8	84.9	0
20230721T011500	2023	07	21	01:15	64.3	87.1	0.011
20230721T012000	2023	07	21	01:20	63.9	89.3	0.022
20230721T012500	2023	07	21	01:25	63.6	90.7	0.005

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230721T013000	2023	07	21	01:30	63.4	91.1	0.011
20230721T013500	2023	07	21	01:35	63.3	91	0.011
20230721T014000	2023	07	21	01:40	63.2	91.2	0.004
20230721T014500	2023	07	21	01:45	63.1	90.7	0
20230721T015000	2023	07	21	01:50	62.9	90.4	0.011
20230721T015500	2023	07	21	01:55	62.9	90.1	0.003
20230721T020000	2023	07	21	02:00	62.8	90.8	0.002
20230721T020500	2023	07	21	02:05	62.6	91.5	0
20230721T021000	2023	07	21	02:10	62.4	92.1	0
20230721T021500	2023	07	21	02:15	62.3	92.4	0
20230721T022000	2023	07	21	02:20	62.1	93.2	0.007
20230721T022500	2023	07	21	02:25	61.9	94.1	0.001
20230721T023000	2023	07	21	02:30	61.8	94.9	0
20230721T023500	2023	07	21	02:35	61.7	95.3	0
20230721T024000	2023	07	21	02:40	61.8	94.1	0
20230721T024500	2023	07	21	02:45	61.7	93.8	0
20230721T025000	2023	07	21	02:50	61.7	93.8	0
20230721T025500	2023	07	21	02:55	61.5	93.9	0
20230721T030000	2023	07	21	03:00	61.6	93.5	0
20230721T030500	2023	07	21	03:05	61.4	93.7	0
20230721T031000	2023	07	21	03:10	61.4	94	0
20230721T031500	2023	07	21	03:15	61.4	94	0
20230721T032000	2023	07	21	03:20	61.4	94	0
20230721T032500	2023	07	21	03:25	61.3	93.8	0
20230721T033000	2023	07	21	03:30	61.2	93.7	0
20230721T033500	2023	07	21	03:35	61.2	94	0
20230721T034000	2023	07	21	03:40	61.1	94.2	0
20230721T034500	2023	07	21	03:45	61.2	94.5	0
20230721T035000	2023	07	21	03:50	61.2	94.5	0
20230721T035500	2023	07	21	03:55	61.1	94.4	0
20230721T040000	2023	07	21	04:00	61	94.8	0
20230721T040500	2023	07	21	04:05	60.8	95	0
20230721T041000	2023	07	21	04:10	60.8	95.1	0
20230721T041500	2023	07	21	04:15	60.6	95.3	0
20230721T042000	2023	07	21	04:20	60.8	95.1	0
20230721T042500	2023	07	21	04:25	61	94.9	0
20230721T043000	2023	07	21	04:30	61.2	94.1	0
20230721T043500	2023	07	21	04:35	60.9	92.6	0
20230721T044000	2023	07	21	04:40	60.9	92.1	0
20230721T044500	2023	07	21	04:45	60.9	91.9	0
20230721T045000	2023	07	21	04:50	61.3	90.8	0
20230721T045500	2023	07	21	04:55	60.9	91.2	0
20230721T050000	2023	07	21	05:00	60.9	91.4	0
20230721T050500	2023	07	21	05:05	61	90.8	0
20230721T051000	2023	07	21	05:10	60.7	90.4	0
20230721T051500	2023	07	21	05:15	60.5	90.8	0
20230721T052000	2023	07	21	05:20	59.8	91.4	0
20230721T052500	2023	07	21	05:25	59.3	93.6	0
20230721T053000	2023	07	21	05:30	59.1	94.6	0
20230721T053500	2023	07	21	05:35	58.8	94.7	0
20230721T054000	2023	07	21	05:40	58.6	95.1	0
20230721T054500	2023	07	21	05:45	58.4	95.4	0
20230721T055000	2023	07	21	05:50	57.9	95.8	0
20230721T055500	2023	07	21	05:55	58	96.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230721T060000	2023	07	21	06:00	57.7	96.3	0
20230721T060500	2023	07	21	06:05	57.2	96.6	0
20230721T061000	2023	07	21	06:10	57.2	96.8	0
20230721T061500	2023	07	21	06:15	57.3	97.4	0
20230721T062000	2023	07	21	06:20	57.3	97.6	0
20230721T062500	2023	07	21	06:25	57.5	97.9	0
20230721T063000	2023	07	21	06:30	58.1	98.4	0
20230721T063500	2023	07	21	06:35	58.4	98.1	0
20230721T064000	2023	07	21	06:40	58.7	98	0
20230721T064500	2023	07	21	06:45	58.9	97.9	0
20230721T065000	2023	07	21	06:50	59.3	97.8	0
20230721T065500	2023	07	21	06:55	59.8	97.4	0
20230721T070000	2023	07	21	07:00	60.1	97.1	0
20230721T070500	2023	07	21	07:05	60.4	96.5	0
20230721T071000	2023	07	21	07:10	61.1	96.2	0
20230721T071500	2023	07	21	07:15	61.6	94.8	0
20230721T072000	2023	07	21	07:20	62.1	93.5	0
20230721T072500	2023	07	21	07:25	62.1	92.9	0
20230721T073000	2023	07	21	07:30	62.2	92	0
20230721T073500	2023	07	21	07:35	62.2	91.9	0
20230721T074000	2023	07	21	07:40	62.7	92	0
20230721T074500	2023	07	21	07:45	62.9	90.3	0
20230721T075000	2023	07	21	07:50	63.1	90.6	0
20230721T075500	2023	07	21	07:55	63.1	90.7	0
20230721T080000	2023	07	21	08:00	63.3	90.7	0
20230721T080500	2023	07	21	08:05	63.7	90.3	0
20230721T081000	2023	07	21	08:10	64.4	87.6	0
20230721T081500	2023	07	21	08:15	64.6	83.7	0
20230721T082000	2023	07	21	08:20	64.3	86	0
20230721T082500	2023	07	21	08:25	64	87.3	0
20230721T083000	2023	07	21	08:30	64.4	87.8	0
20230721T083500	2023	07	21	08:35	65	85.3	0
20230721T084000	2023	07	21	08:40	65.5	84.9	0
20230721T084500	2023	07	21	08:45	66	83.2	0
20230721T085000	2023	07	21	08:50	66	82	0
20230721T085500	2023	07	21	08:55	66.1	81.6	0
20230721T090000	2023	07	21	09:00	66.6	80.7	0
20230721T090500	2023	07	21	09:05	67	79.8	0
20230721T091000	2023	07	21	09:10	66.3	80	0
20230721T091500	2023	07	21	09:15	66.5	80.1	0
20230721T092000	2023	07	21	09:20	66.9	80.2	0
20230721T092500	2023	07	21	09:25	66.8	79.5	0
20230721T093000	2023	07	21	09:30	67.6	80.9	0
20230721T093500	2023	07	21	09:35	67.4	78.9	0
20230721T094000	2023	07	21	09:40	67.4	78.2	0
20230721T094500	2023	07	21	09:45	67.5	78.3	0
20230721T095000	2023	07	21	09:50	67.6	79.5	0
20230721T095500	2023	07	21	09:55	67.7	78.6	0
20230721T100000	2023	07	21	10:00	67.5	78.3	0
20230721T100500	2023	07	21	10:05	67.6	77.8	0
20230721T101000	2023	07	21	10:10	67.7	77.4	0
20230721T101500	2023	07	21	10:15	68.5	76.8	0
20230721T102000	2023	07	21	10:20	69.1	75.1	0
20230721T102500	2023	07	21	10:25	68.8	74.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230721T103000	2023	07	21	10:30	68.9	75	0
20230721T103500	2023	07	21	10:35	68.1	73.7	0
20230721T104000	2023	07	21	10:40	68	74.6	0
20230721T104500	2023	07	21	10:45	68.2	75.8	0
20230721T105000	2023	07	21	10:50	68.6	76.6	0
20230721T105500	2023	07	21	10:55	69	74.5	0
20230721T110000	2023	07	21	11:00	69.4	73	0
20230721T110500	2023	07	21	11:05	69.7	71.6	0
20230721T111000	2023	07	21	11:10	70.6	71.5	0
20230721T111500	2023	07	21	11:15	70	70.3	0
20230721T112000	2023	07	21	11:20	70.1	69.8	0
20230721T112500	2023	07	21	11:25	70.3	71.2	0
20230721T113000	2023	07	21	11:30	70.4	70.6	0
20230721T113500	2023	07	21	11:35	70.8	68.2	0
20230721T114000	2023	07	21	11:40	71.1	68.4	0
20230721T114500	2023	07	21	11:45	71.6	70.5	0
20230721T115000	2023	07	21	11:50	71	68.2	0
20230721T115500	2023	07	21	11:55	70.7	69.3	0
20230721T120000	2023	07	21	12:00	70.7	70.5	0
20230721T120500	2023	07	21	12:05	71.2	70.5	0
20230721T121000	2023	07	21	12:10	70.8	69.6	0
20230721T121500	2023	07	21	12:15	70	71	0
20230721T122000	2023	07	21	12:20	70.5	72.4	0
20230721T122500	2023	07	21	12:25	70.9	71.2	0
20230721T123000	2023	07	21	12:30	70.8	70.6	0
20230721T123500	2023	07	21	12:35	70.9	70.4	0
20230721T124000	2023	07	21	12:40	70.8	72	0
20230721T124500	2023	07	21	12:45	70.8	72.9	0
20230721T125000	2023	07	21	12:50	70.3	73.6	0
20230721T125500	2023	07	21	12:55	70.5	74.4	0
20230721T130000	2023	07	21	13:00	71.1	73.3	0
20230721T130500	2023	07	21	13:05	71.7	71.7	0
20230721T131000	2023	07	21	13:10	71.5	70.4	0
20230721T131500	2023	07	21	13:15	72.4	70.2	0
20230721T132000	2023	07	21	13:20	72.2	68.3	0
20230721T132500	2023	07	21	13:25	72.4	68.1	0
20230721T133000	2023	07	21	13:30	73	68.6	0
20230721T133500	2023	07	21	13:35	72.6	67.8	0
20230721T134000	2023	07	21	13:40	72.4	67.1	0
20230721T134500	2023	07	21	13:45	72.6	68.7	0
20230721T135000	2023	07	21	13:50	72.9	67	0
20230721T135500	2023	07	21	13:55	73.5	67.5	0
20230721T140000	2023	07	21	14:00	72.3	65	0
20230721T140500	2023	07	21	14:05	72.1	67.4	0
20230721T141000	2023	07	21	14:10	71.8	67.8	0
20230721T141500	2023	07	21	14:15	71.9	66.5	0
20230721T142000	2023	07	21	14:20	71.5	67.9	0
20230721T142500	2023	07	21	14:25	71.2	68.5	0
20230721T143000	2023	07	21	14:30	69.3	74.6	0
20230721T143500	2023	07	21	14:35	67.5	83.1	0
20230721T144000	2023	07	21	14:40	66.7	86.9	0
20230721T144500	2023	07	21	14:45	66.7	88.4	0
20230721T145000	2023	07	21	14:50	67.1	87.9	0
20230721T145500	2023	07	21	14:55	67.7	87.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230721T150000	2023	07	21	15:00	68.2	85.6	0
20230721T150500	2023	07	21	15:05	68.3	83.1	0
20230721T151000	2023	07	21	15:10	68.5	83	0
20230721T151500	2023	07	21	15:15	69	82.8	0
20230721T152000	2023	07	21	15:20	69.1	79.9	0
20230721T152500	2023	07	21	15:25	68.8	78.9	0
20230721T153000	2023	07	21	15:30	68.6	80.5	0
20230721T153500	2023	07	21	15:35	68.7	81.8	0
20230721T154000	2023	07	21	15:40	68.7	82.3	0
20230721T154500	2023	07	21	15:45	68.6	83.6	0
20230721T155000	2023	07	21	15:50	68.7	84.2	0
20230721T155500	2023	07	21	15:55	68.6	85.5	0
20230721T160000	2023	07	21	16:00	68.2	84.5	0
20230721T160500	2023	07	21	16:05	67.8	81.1	0
20230721T161000	2023	07	21	16:10	68	82	0
20230721T161500	2023	07	21	16:15	68.2	82.3	0
20230721T162000	2023	07	21	16:20	68.1	81.7	0
20230721T162500	2023	07	21	16:25	68	81.7	0
20230721T163000	2023	07	21	16:30	67.9	82.5	0
20230721T163500	2023	07	21	16:35	68.1	82	0
20230721T164000	2023	07	21	16:40	68.2	82	0
20230721T164500	2023	07	21	16:45	67.9	82.1	0.004
20230721T165000	2023	07	21	16:50	67.3	84.4	0.015
20230721T165500	2023	07	21	16:55	67.1	85.9	0.006
20230721T170000	2023	07	21	17:00	67.2	86.9	0
20230721T170500	2023	07	21	17:05	67.4	85.9	0
20230721T171000	2023	07	21	17:10	68.6	86.1	0
20230721T171500	2023	07	21	17:15	69.1	83.3	0
20230721T172000	2023	07	21	17:20	70	83.1	0
20230721T172500	2023	07	21	17:25	69.8	82.3	0
20230721T173000	2023	07	21	17:30	70.2	82.6	0
20230721T173500	2023	07	21	17:35	70.9	83.3	0
20230721T174000	2023	07	21	17:40	70.9	81.2	0
20230721T174500	2023	07	21	17:45	69.8	80	0
20230721T175000	2023	07	21	17:50	69.2	79.1	0
20230721T175500	2023	07	21	17:55	68.8	78.1	0
20230721T180000	2023	07	21	18:00	68.5	79	0
20230721T180500	2023	07	21	18:05	69.2	79.5	0
20230721T181000	2023	07	21	18:10	69.8	77.5	0
20230721T181500	2023	07	21	18:15	70.3	76	0
20230721T182000	2023	07	21	18:20	70.3	73.8	0
20230721T182500	2023	07	21	18:25	70.3	73.9	0
20230721T183000	2023	07	21	18:30	69.9	72.9	0
20230721T183500	2023	07	21	18:35	69.9	72.8	0
20230721T184000	2023	07	21	18:40	69.9	71	0
20230721T184500	2023	07	21	18:45	69.8	71	0
20230721T185000	2023	07	21	18:50	69.5	71	0
20230721T185500	2023	07	21	18:55	69.5	71.8	0
20230721T190000	2023	07	21	19:00	69.5	69.8	0
20230721T190500	2023	07	21	19:05	69.4	69.6	0
20230721T191000	2023	07	21	19:10	69.3	69.6	0
20230721T191500	2023	07	21	19:15	69.1	69.9	0
20230721T192000	2023	07	21	19:20	68.3	71.4	0
20230721T192500	2023	07	21	19:25	67.9	72.6	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230721T193000	2023	07	21	19:30	67.8	73	0
20230721T193500	2023	07	21	19:35	67.3	74.6	0
20230721T194000	2023	07	21	19:40	67.5	74	0
20230721T194500	2023	07	21	19:45	67.2	75	0
20230721T195000	2023	07	21	19:50	67.3	75.1	0
20230721T195500	2023	07	21	19:55	66.9	75.5	0
20230721T200000	2023	07	21	20:00	66.6	76.3	0
20230721T200500	2023	07	21	20:05	66.5	76.7	0
20230721T201000	2023	07	21	20:10	66.3	76.8	0
20230721T201500	2023	07	21	20:15	65.8	78.3	0
20230721T202000	2023	07	21	20:20	65.5	78.7	0
20230721T202500	2023	07	21	20:25	65.3	79.7	0
20230721T203000	2023	07	21	20:30	64.7	80.4	0
20230721T203500	2023	07	21	20:35	64.9	81.5	0
20230721T204000	2023	07	21	20:40	65	81.2	0
20230721T204500	2023	07	21	20:45	65.2	80.8	0
20230721T205000	2023	07	21	20:50	64.5	81	0
20230721T205500	2023	07	21	20:55	64.8	81.6	0
20230721T210000	2023	07	21	21:00	64.5	82.4	0
20230721T210500	2023	07	21	21:05	64.4	81.9	0
20230721T211000	2023	07	21	21:10	64.2	82.9	0
20230721T211500	2023	07	21	21:15	64.7	82.5	0
20230721T212000	2023	07	21	21:20	64.3	82.6	0
20230721T212500	2023	07	21	21:25	64.3	82.9	0
20230721T213000	2023	07	21	21:30	64.5	82.6	0
20230721T213500	2023	07	21	21:35	65	82	0
20230721T214000	2023	07	21	21:40	64.5	81.7	0
20230721T214500	2023	07	21	21:45	64.1	83.1	0
20230721T215000	2023	07	21	21:50	64	83.8	0
20230721T215500	2023	07	21	21:55	64	83.8	0
20230721T220000	2023	07	21	22:00	64.3	83.2	0
20230721T220500	2023	07	21	22:05	63.8	83.1	0
20230721T221000	2023	07	21	22:10	62.8	84.8	0
20230721T221500	2023	07	21	22:15	62.9	86.2	0
20230721T222000	2023	07	21	22:20	62.9	86.9	0
20230721T222500	2023	07	21	22:25	63.4	87.2	0
20230721T223000	2023	07	21	22:30	63.5	87.3	0
20230721T223500	2023	07	21	22:35	63.4	86.9	0
20230721T224000	2023	07	21	22:40	63.2	86.7	0
20230721T224500	2023	07	21	22:45	63	86.9	0
20230721T225000	2023	07	21	22:50	63.1	86.9	0
20230721T225500	2023	07	21	22:55	63.1	86.9	0
20230721T230000	2023	07	21	23:00	62.8	87.1	0
20230721T230500	2023	07	21	23:05	62.9	88	0
20230721T231000	2023	07	21	23:10	63	87.8	0
20230721T231500	2023	07	21	23:15	62.9	87.3	0
20230721T232000	2023	07	21	23:20	62.8	87.1	0
20230721T232500	2023	07	21	23:25	62.5	87.3	0
20230721T233000	2023	07	21	23:30	62.1	87.8	0
20230721T233500	2023	07	21	23:35	61.8	88.8	0
20230721T234000	2023	07	21	23:40	61.9	89.3	0
20230721T234500	2023	07	21	23:45	61.7	90.3	0
20230721T235000	2023	07	21	23:50	62.7	90.2	0
20230721T235500	2023	07	21	23:55	62.9	89	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230722T000000	2023	07	22	00:00	62.7	88.6	0
20230722T000500	2023	07	22	00:05	62.6	88.9	0
20230722T001000	2023	07	22	00:10	62.5	88.8	0
20230722T001500	2023	07	22	00:15	62.5	88.7	0
20230722T002000	2023	07	22	00:20	62.4	88.9	0
20230722T002500	2023	07	22	00:25	62.3	89	0
20230722T003000	2023	07	22	00:30	62.2	89.4	0
20230722T003500	2023	07	22	00:35	62.4	89.8	0
20230722T004000	2023	07	22	00:40	62.7	89.4	0
20230722T004500	2023	07	22	00:45	62.8	88.6	0
20230722T005000	2023	07	22	00:50	62.6	88.5	0
20230722T005500	2023	07	22	00:55	62.8	88.2	0
20230722T010000	2023	07	22	01:00	62.6	88.2	0
20230722T010500	2023	07	22	01:05	62.6	88.4	0
20230722T011000	2023	07	22	01:10	62.8	87.9	0
20230722T011500	2023	07	22	01:15	62.8	87.5	0
20230722T012000	2023	07	22	01:20	62.7	87.7	0
20230722T012500	2023	07	22	01:25	62.6	87.9	0
20230722T013000	2023	07	22	01:30	62.4	88.4	0
20230722T013500	2023	07	22	01:35	62.1	88.7	0
20230722T014000	2023	07	22	01:40	62.1	89	0
20230722T014500	2023	07	22	01:45	62	88.9	0
20230722T015000	2023	07	22	01:50	61.8	89.2	0
20230722T015500	2023	07	22	01:55	61.6	89.7	0
20230722T020000	2023	07	22	02:00	61.6	90.2	0
20230722T020500	2023	07	22	02:05	61.7	89.8	0
20230722T021000	2023	07	22	02:10	61.7	89.8	0
20230722T021500	2023	07	22	02:15	61.5	89.6	0
20230722T022000	2023	07	22	02:20	61.1	90.1	0
20230722T022500	2023	07	22	02:25	60.9	90.7	0
20230722T023000	2023	07	22	02:30	61	90.6	0
20230722T023500	2023	07	22	02:35	60.7	90.7	0
20230722T024000	2023	07	22	02:40	60.4	91.7	0
20230722T024500	2023	07	22	02:45	60.4	92	0
20230722T025000	2023	07	22	02:50	60.3	91.9	0
20230722T025500	2023	07	22	02:55	60.4	91.8	0
20230722T030000	2023	07	22	03:00	60.3	91.6	0
20230722T030500	2023	07	22	03:05	60.1	91.8	0
20230722T031000	2023	07	22	03:10	60.2	91.9	0
20230722T031500	2023	07	22	03:15	60	91.9	0
20230722T032000	2023	07	22	03:20	60.1	92	0
20230722T032500	2023	07	22	03:25	60.1	91.5	0
20230722T033000	2023	07	22	03:30	59.9	91.3	0
20230722T033500	2023	07	22	03:35	60.1	91.3	0
20230722T034000	2023	07	22	03:40	59.9	90.6	0
20230722T034500	2023	07	22	03:45	59.9	90.9	0
20230722T035000	2023	07	22	03:50	59.7	90.7	0
20230722T035500	2023	07	22	03:55	59.5	90.8	0
20230722T040000	2023	07	22	04:00	59.4	91.1	0
20230722T040500	2023	07	22	04:05	59.5	91.3	0
20230722T041000	2023	07	22	04:10	59.2	91.2	0
20230722T041500	2023	07	22	04:15	59.1	91.9	0
20230722T042000	2023	07	22	04:20	58.9	91.9	0
20230722T042500	2023	07	22	04:25	59	92.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230722T043000	2023	07	22	04:30	58.7	92.3	0
20230722T043500	2023	07	22	04:35	58.8	92.8	0
20230722T044000	2023	07	22	04:40	58.9	92.6	0
20230722T044500	2023	07	22	04:45	59	92.2	0
20230722T045000	2023	07	22	04:50	58.9	92.3	0
20230722T045500	2023	07	22	04:55	58.8	92.4	0
20230722T050000	2023	07	22	05:00	58.8	92.7	0
20230722T050500	2023	07	22	05:05	58.5	92.6	0
20230722T051000	2023	07	22	05:10	58.6	93.1	0
20230722T051500	2023	07	22	05:15	58.6	92.8	0
20230722T052000	2023	07	22	05:20	58.3	93	0
20230722T052500	2023	07	22	05:25	57.6	93.1	0
20230722T053000	2023	07	22	05:30	57.5	94.2	0
20230722T053500	2023	07	22	05:35	58.2	94.4	0
20230722T054000	2023	07	22	05:40	58	93.7	0
20230722T054500	2023	07	22	05:45	57.7	93.3	0
20230722T055000	2023	07	22	05:50	57.7	93.9	0
20230722T055500	2023	07	22	05:55	56.9	93	0
20230722T060000	2023	07	22	06:00	56.2	93.9	0
20230722T060500	2023	07	22	06:05	56.2	94.6	0
20230722T061000	2023	07	22	06:10	57.1	95.5	0
20230722T061500	2023	07	22	06:15	57.3	94.6	0
20230722T062000	2023	07	22	06:20	57.3	94.6	0
20230722T062500	2023	07	22	06:25	57.5	94.8	0
20230722T063000	2023	07	22	06:30	57.7	94.5	0
20230722T063500	2023	07	22	06:35	58.3	94	0
20230722T064000	2023	07	22	06:40	58	93	0
20230722T064500	2023	07	22	06:45	57.7	92.3	0
20230722T065000	2023	07	22	06:50	58.7	91.7	0
20230722T065500	2023	07	22	06:55	59.1	89.8	0
20230722T070000	2023	07	22	07:00	59.9	88.7	0
20230722T070500	2023	07	22	07:05	60.3	88.8	0
20230722T071000	2023	07	22	07:10	60.8	87.7	0
20230722T071500	2023	07	22	07:15	61.3	87.9	0
20230722T072000	2023	07	22	07:20	61.6	87.9	0
20230722T072500	2023	07	22	07:25	62.1	87.2	0
20230722T073000	2023	07	22	07:30	62.5	86.4	0
20230722T073500	2023	07	22	07:35	62.7	85.1	0
20230722T074000	2023	07	22	07:40	63.2	85.5	0
20230722T074500	2023	07	22	07:45	63.3	83.7	0
20230722T075000	2023	07	22	07:50	63.6	84.2	0
20230722T075500	2023	07	22	07:55	63.9	83.4	0
20230722T080000	2023	07	22	08:00	64.3	82.9	0
20230722T080500	2023	07	22	08:05	64.2	81.5	0
20230722T081000	2023	07	22	08:10	64.4	82.3	0
20230722T081500	2023	07	22	08:15	64.7	81.7	0
20230722T082000	2023	07	22	08:20	65	81.3	0
20230722T082500	2023	07	22	08:25	65.2	80.9	0
20230722T083000	2023	07	22	08:30	65.8	79.8	0
20230722T083500	2023	07	22	08:35	65.8	78.6	0
20230722T084000	2023	07	22	08:40	66.2	78.3	0
20230722T084500	2023	07	22	08:45	66.4	76.3	0
20230722T085000	2023	07	22	08:50	67.1	73.5	0
20230722T085500	2023	07	22	08:55	67	71.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230722T090000	2023	07	22	09:00	67.7	71.9	0
20230722T090500	2023	07	22	09:05	67.7	70.2	0
20230722T091000	2023	07	22	09:10	67.9	69.4	0
20230722T091500	2023	07	22	09:15	67.7	67.6	0
20230722T092000	2023	07	22	09:20	67.9	68.4	0
20230722T092500	2023	07	22	09:25	68.4	68.3	0
20230722T093000	2023	07	22	09:30	68.5	67.5	0
20230722T093500	2023	07	22	09:35	68.4	68.3	0
20230722T094000	2023	07	22	09:40	68.3	68	0
20230722T094500	2023	07	22	09:45	68.9	64.9	0
20230722T095000	2023	07	22	09:50	69.1	65.9	0
20230722T095500	2023	07	22	09:55	69.2	65.1	0
20230722T100000	2023	07	22	10:00	69.6	64.6	0
20230722T100500	2023	07	22	10:05	69.6	62.5	0
20230722T101000	2023	07	22	10:10	70	64.7	0
20230722T101500	2023	07	22	10:15	69.3	59.9	0
20230722T102000	2023	07	22	10:20	69.5	62.1	0
20230722T102500	2023	07	22	10:25	69.6	63.2	0
20230722T103000	2023	07	22	10:30	69.9	62.5	0
20230722T103500	2023	07	22	10:35	69.8	61.7	0
20230722T104000	2023	07	22	10:40	70.9	62.3	0
20230722T104500	2023	07	22	10:45	70.7	59.4	0
20230722T105000	2023	07	22	10:50	70.3	58.3	0
20230722T105500	2023	07	22	10:55	70.4	61.7	0
20230722T110000	2023	07	22	11:00	71.2	60.3	0
20230722T110500	2023	07	22	11:05	71.3	58.9	0
20230722T111000	2023	07	22	11:10	71.7	60	0
20230722T111500	2023	07	22	11:15	70.4	60.2	0
20230722T112000	2023	07	22	11:20	69.5	62.9	0
20230722T112500	2023	07	22	11:25	69.7	64.5	0
20230722T113000	2023	07	22	11:30	70.9	63.7	0
20230722T113500	2023	07	22	11:35	71.6	59.9	0
20230722T114000	2023	07	22	11:40	70.9	57.7	0
20230722T114500	2023	07	22	11:45	71.5	58.2	0
20230722T115000	2023	07	22	11:50	72.3	58.9	0
20230722T115500	2023	07	22	11:55	71.8	56.7	0
20230722T120000	2023	07	22	12:00	71.5	58.8	0
20230722T120500	2023	07	22	12:05	72.3	56.5	0
20230722T121000	2023	07	22	12:10	72.8	56.6	0
20230722T121500	2023	07	22	12:15	72.3	57.5	0
20230722T122000	2023	07	22	12:20	72.8	58.6	0
20230722T122500	2023	07	22	12:25	72.7	56.1	0
20230722T123000	2023	07	22	12:30	72.2	55.7	0
20230722T123500	2023	07	22	12:35	72.9	56.8	0
20230722T124000	2023	07	22	12:40	72.8	54.5	0
20230722T124500	2023	07	22	12:45	73.3	53.7	0
20230722T125000	2023	07	22	12:50	72.7	54.2	0
20230722T125500	2023	07	22	12:55	72	55	0
20230722T130000	2023	07	22	13:00	73.2	53.4	0
20230722T130500	2023	07	22	13:05	73.2	53.1	0
20230722T131000	2023	07	22	13:10	73.7	53.3	0
20230722T131500	2023	07	22	13:15	73.6	53	0
20230722T132000	2023	07	22	13:20	73.4	51.5	0
20230722T132500	2023	07	22	13:25	72.7	51.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230722T133000	2023	07	22	13:30	72.4	51.5	0
20230722T133500	2023	07	22	13:35	73.8	51.4	0
20230722T134000	2023	07	22	13:40	74.4	52.1	0
20230722T134500	2023	07	22	13:45	74.8	51.7	0
20230722T135000	2023	07	22	13:50	74.5	49.2	0
20230722T135500	2023	07	22	13:55	74.3	50.7	0
20230722T140000	2023	07	22	14:00	74.2	50.2	0
20230722T140500	2023	07	22	14:05	75.1	50.5	0
20230722T141000	2023	07	22	14:10	74.7	49.3	0
20230722T141500	2023	07	22	14:15	73.9	50.5	0
20230722T142000	2023	07	22	14:20	72.8	51.4	0
20230722T142500	2023	07	22	14:25	72.8	51.8	0
20230722T143000	2023	07	22	14:30	74.4	50.3	0
20230722T143500	2023	07	22	14:35	73.9	50.2	0
20230722T144000	2023	07	22	14:40	73.3	51.4	0
20230722T144500	2023	07	22	14:45	74.6	52	0
20230722T145000	2023	07	22	14:50	74.3	51.3	0
20230722T145500	2023	07	22	14:55	73.6	52.3	0
20230722T150000	2023	07	22	15:00	74.8	53	0
20230722T150500	2023	07	22	15:05	74.4	52	0
20230722T151000	2023	07	22	15:10	74.5	53.2	0
20230722T151500	2023	07	22	15:15	74	52.5	0
20230722T152000	2023	07	22	15:20	74.5	50.6	0
20230722T152500	2023	07	22	15:25	74.4	50.9	0
20230722T153000	2023	07	22	15:30	73.5	52.2	0
20230722T153500	2023	07	22	15:35	73.2	51.8	0
20230722T154000	2023	07	22	15:40	72.7	52.8	0
20230722T154500	2023	07	22	15:45	74.2	52.1	0
20230722T155000	2023	07	22	15:50	73.2	50.1	0
20230722T155500	2023	07	22	15:55	74.2	50.1	0
20230722T160000	2023	07	22	16:00	74.5	47.1	0
20230722T160500	2023	07	22	16:05	74.4	48.1	0
20230722T161000	2023	07	22	16:10	74.8	49.5	0
20230722T161500	2023	07	22	16:15	75.5	49.5	0
20230722T162000	2023	07	22	16:20	75	46.1	0
20230722T162500	2023	07	22	16:25	75.1	46.1	0
20230722T163000	2023	07	22	16:30	74.8	46.5	0
20230722T163500	2023	07	22	16:35	74.9	46.7	0
20230722T164000	2023	07	22	16:40	74.6	49	0
20230722T164500	2023	07	22	16:45	74.5	50.9	0
20230722T165000	2023	07	22	16:50	74.4	49.2	0
20230722T165500	2023	07	22	16:55	74.8	49.5	0
20230722T170000	2023	07	22	17:00	75	47.5	0
20230722T170500	2023	07	22	17:05	74.4	47.8	0
20230722T171000	2023	07	22	17:10	74.3	49.2	0
20230722T171500	2023	07	22	17:15	74	49	0
20230722T172000	2023	07	22	17:20	74.1	50	0
20230722T172500	2023	07	22	17:25	74.1	47.8	0
20230722T173000	2023	07	22	17:30	74.4	48.3	0
20230722T173500	2023	07	22	17:35	74.5	48.7	0
20230722T174000	2023	07	22	17:40	74.2	50.5	0
20230722T174500	2023	07	22	17:45	74.2	49.4	0
20230722T175000	2023	07	22	17:50	74.1	49.9	0
20230722T175500	2023	07	22	17:55	74.1	50.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230722T180000	2023	07	22	18:00	73.8	51.1	0
20230722T180500	2023	07	22	18:05	73.7	50.3	0
20230722T181000	2023	07	22	18:10	73.5	49.2	0
20230722T181500	2023	07	22	18:15	73.5	49.9	0
20230722T182000	2023	07	22	18:20	73.5	48.5	0
20230722T182500	2023	07	22	18:25	73.2	49	0
20230722T183000	2023	07	22	18:30	73.2	49.1	0
20230722T183500	2023	07	22	18:35	73.2	50.4	0
20230722T184000	2023	07	22	18:40	73.2	51.3	0
20230722T184500	2023	07	22	18:45	72.9	50.6	0
20230722T185000	2023	07	22	18:50	72.6	51.6	0
20230722T185500	2023	07	22	18:55	72.6	51.3	0
20230722T190000	2023	07	22	19:00	72.4	52.1	0
20230722T190500	2023	07	22	19:05	72.4	51.9	0
20230722T191000	2023	07	22	19:10	72.2	52.8	0
20230722T191500	2023	07	22	19:15	71.9	53.1	0
20230722T192000	2023	07	22	19:20	71.6	54.4	0
20230722T192500	2023	07	22	19:25	71.4	54.3	0
20230722T193000	2023	07	22	19:30	71	55.7	0
20230722T193500	2023	07	22	19:35	71	55.9	0
20230722T194000	2023	07	22	19:40	70.1	58	0
20230722T194500	2023	07	22	19:45	69.7	58.9	0
20230722T195000	2023	07	22	19:50	68.5	60.3	0
20230722T195500	2023	07	22	19:55	67.7	63.2	0
20230722T200000	2023	07	22	20:00	67	65.5	0
20230722T200500	2023	07	22	20:05	65.9	66.9	0
20230722T201000	2023	07	22	20:10	64.3	70.5	0
20230722T201500	2023	07	22	20:15	64.5	72.9	0
20230722T202000	2023	07	22	20:20	63.7	77.1	0
20230722T202500	2023	07	22	20:25	62.3	79.1	0
20230722T203000	2023	07	22	20:30	62.2	82	0
20230722T203500	2023	07	22	20:35	62	83.9	0
20230722T204000	2023	07	22	20:40	61.1	85.3	0
20230722T204500	2023	07	22	20:45	61.2	86	0
20230722T205000	2023	07	22	20:50	61.4	86.2	0
20230722T205500	2023	07	22	20:55	60.7	86	0
20230722T210000	2023	07	22	21:00	60.2	86.1	0
20230722T210500	2023	07	22	21:05	60	88.4	0
20230722T211000	2023	07	22	21:10	58.9	90	0
20230722T211500	2023	07	22	21:15	58.6	92.5	0
20230722T212000	2023	07	22	21:20	58.7	93.8	0
20230722T212500	2023	07	22	21:25	58.6	94	0
20230722T213000	2023	07	22	21:30	58.3	94.4	0
20230722T213500	2023	07	22	21:35	57.6	93.8	0
20230722T214000	2023	07	22	21:40	57.7	94.7	0
20230722T214500	2023	07	22	21:45	57.8	95	0
20230722T215000	2023	07	22	21:50	57.6	94.5	0
20230722T215500	2023	07	22	21:55	57.2	94.3	0
20230722T220000	2023	07	22	22:00	57.1	94.6	0
20230722T220500	2023	07	22	22:05	57	95.5	0
20230722T221000	2023	07	22	22:10	56.7	95.8	0
20230722T221500	2023	07	22	22:15	56.5	96.1	0
20230722T222000	2023	07	22	22:20	56.3	96.2	0
20230722T222500	2023	07	22	22:25	56.2	96.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230722T223000	2023	07	22	22:30	56.3	96.5	0
20230722T223500	2023	07	22	22:35	56.5	96.7	0
20230722T224000	2023	07	22	22:40	56.2	96.3	0
20230722T224500	2023	07	22	22:45	55.3	96.2	0
20230722T225000	2023	07	22	22:50	55.4	96.9	0
20230722T225500	2023	07	22	22:55	55.4	97.2	0
20230722T230000	2023	07	22	23:00	55.6	97.1	0
20230722T230500	2023	07	22	23:05	55.7	97.3	0
20230722T231000	2023	07	22	23:10	55.1	96.9	0
20230722T231500	2023	07	22	23:15	54.9	97	0
20230722T232000	2023	07	22	23:20	54.7	97.2	0
20230722T232500	2023	07	22	23:25	54.6	97.2	0
20230722T233000	2023	07	22	23:30	54.3	97.4	0
20230722T233500	2023	07	22	23:35	54.7	97.9	0
20230722T234000	2023	07	22	23:40	54.1	97.6	0
20230722T234500	2023	07	22	23:45	53.9	97.7	0
20230722T235000	2023	07	22	23:50	54.3	97.9	0
20230722T235500	2023	07	22	23:55	53.7	97.6	0
20230723T000000	2023	07	23	00:00	53.6	97.7	0
20230723T000500	2023	07	23	00:05	53.7	98	0
20230723T001000	2023	07	23	00:10	53.5	98	0
20230723T001500	2023	07	23	00:15	53.5	97.8	0
20230723T002000	2023	07	23	00:20	53.3	98.2	0
20230723T002500	2023	07	23	00:25	53	98.1	0
20230723T003000	2023	07	23	00:30	52.9	98	0
20230723T003500	2023	07	23	00:35	52.5	98.1	0
20230723T004000	2023	07	23	00:40	53	98.5	0
20230723T004500	2023	07	23	00:45	52.5	98.1	0
20230723T005000	2023	07	23	00:50	51.9	98.1	0
20230723T005500	2023	07	23	00:55	52.3	98.4	0
20230723T010000	2023	07	23	01:00	52.5	98.7	0
20230723T010500	2023	07	23	01:05	52	98.4	0
20230723T011000	2023	07	23	01:10	52.2	98.6	0
20230723T011500	2023	07	23	01:15	52.1	98.7	0
20230723T012000	2023	07	23	01:20	51.3	98.3	0
20230723T012500	2023	07	23	01:25	51.2	98.6	0
20230723T013000	2023	07	23	01:30	51.4	98.9	0
20230723T013500	2023	07	23	01:35	51.5	99.1	0
20230723T014000	2023	07	23	01:40	52.5	99.4	0
20230723T014500	2023	07	23	01:45	51.9	98.8	0
20230723T015000	2023	07	23	01:50	51.9	98.7	0
20230723T015500	2023	07	23	01:55	52.2	99	0
20230723T020000	2023	07	23	02:00	51.8	99	0
20230723T020500	2023	07	23	02:05	51.4	98.8	0
20230723T021000	2023	07	23	02:10	51	98.8	0
20230723T021500	2023	07	23	02:15	50.7	98.7	0
20230723T022000	2023	07	23	02:20	50.5	99	0
20230723T022500	2023	07	23	02:25	50.6	98.9	0
20230723T023000	2023	07	23	02:30	50.7	99	0
20230723T023500	2023	07	23	02:35	50.8	99.2	0
20230723T024000	2023	07	23	02:40	50.6	99.2	0
20230723T024500	2023	07	23	02:45	50.2	99	0
20230723T025000	2023	07	23	02:50	50.5	99.2	0
20230723T025500	2023	07	23	02:55	50.8	99.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230723T030000	2023	07	23	03:00	51	99.3	0
20230723T030500	2023	07	23	03:05	50.3	99.2	0
20230723T031000	2023	07	23	03:10	50	99.2	0
20230723T031500	2023	07	23	03:15	49.7	99.2	0
20230723T032000	2023	07	23	03:20	49.9	99.2	0
20230723T032500	2023	07	23	03:25	50.7	99.6	0
20230723T033000	2023	07	23	03:30	50.8	99.6	0
20230723T033500	2023	07	23	03:35	50.8	99.4	0
20230723T034000	2023	07	23	03:40	50.7	99.5	0
20230723T034500	2023	07	23	03:45	50.9	99.5	0
20230723T035000	2023	07	23	03:50	50.9	99.4	0
20230723T035500	2023	07	23	03:55	50.5	99.4	0
20230723T040000	2023	07	23	04:00	50	99.3	0
20230723T040500	2023	07	23	04:05	50.4	99.4	0
20230723T041000	2023	07	23	04:10	49.9	99.4	0
20230723T041500	2023	07	23	04:15	49.5	99.4	0
20230723T042000	2023	07	23	04:20	49.5	99.3	0
20230723T042500	2023	07	23	04:25	49.9	99.5	0
20230723T043000	2023	07	23	04:30	49.8	99.7	0
20230723T043500	2023	07	23	04:35	49.5	99.5	0
20230723T044000	2023	07	23	04:40	49.5	99.5	0
20230723T044500	2023	07	23	04:45	49.3	99.7	0
20230723T045000	2023	07	23	04:50	49.1	99.5	0
20230723T045500	2023	07	23	04:55	49.1	99.5	0
20230723T050000	2023	07	23	05:00	49.7	99.8	0
20230723T050500	2023	07	23	05:05	49.8	99.7	0
20230723T051000	2023	07	23	05:10	50.2	99.7	0
20230723T051500	2023	07	23	05:15	50.3	99.8	0
20230723T052000	2023	07	23	05:20	50.1	99.7	0
20230723T052500	2023	07	23	05:25	49.7	99.6	0
20230723T053000	2023	07	23	05:30	50	99.7	0
20230723T053500	2023	07	23	05:35	49.7	99.5	0
20230723T054000	2023	07	23	05:40	49.3	99.5	0
20230723T054500	2023	07	23	05:45	49.4	99.7	0
20230723T055000	2023	07	23	05:50	49.7	99.8	0
20230723T055500	2023	07	23	05:55	49.7	99.7	0
20230723T060000	2023	07	23	06:00	50	99.7	0
20230723T060500	2023	07	23	06:05	50.4	99.9	0
20230723T061000	2023	07	23	06:10	50.3	99.7	0
20230723T061500	2023	07	23	06:15	50.2	99.6	0
20230723T062000	2023	07	23	06:20	50.4	99.8	0
20230723T062500	2023	07	23	06:25	50.7	99.9	0
20230723T063000	2023	07	23	06:30	50.7	99.8	0
20230723T063500	2023	07	23	06:35	50.7	99.7	0
20230723T064000	2023	07	23	06:40	50.8	99.8	0
20230723T064500	2023	07	23	06:45	51.2	99.9	0
20230723T065000	2023	07	23	06:50	51.5	99.9	0
20230723T065500	2023	07	23	06:55	51.8	99.8	0
20230723T070000	2023	07	23	07:00	52.1	99.8	0
20230723T070500	2023	07	23	07:05	52.4	99.7	0
20230723T071000	2023	07	23	07:10	52.8	99.7	0
20230723T071500	2023	07	23	07:15	53.2	99.7	0
20230723T072000	2023	07	23	07:20	53.6	99.6	0
20230723T072500	2023	07	23	07:25	54	99.6	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230723T073000	2023	07	23	07:30	54.2	99.2	0
20230723T073500	2023	07	23	07:35	54.6	99.2	0
20230723T074000	2023	07	23	07:40	55.1	99	0
20230723T074500	2023	07	23	07:45	55.4	98.4	0
20230723T075000	2023	07	23	07:50	55.8	98	0
20230723T075500	2023	07	23	07:55	56.2	96.7	0
20230723T080000	2023	07	23	08:00	56.6	95.1	0
20230723T080500	2023	07	23	08:05	56.9	93.7	0
20230723T081000	2023	07	23	08:10	57.5	93	0
20230723T081500	2023	07	23	08:15	58.1	91.7	0
20230723T082000	2023	07	23	08:20	58.6	90.8	0
20230723T082500	2023	07	23	08:25	58.8	89.4	0
20230723T083000	2023	07	23	08:30	59.3	88.1	0
20230723T083500	2023	07	23	08:35	59.9	87.6	0
20230723T084000	2023	07	23	08:40	60.6	86.9	0
20230723T084500	2023	07	23	08:45	61	85.9	0
20230723T085000	2023	07	23	08:50	61.5	84.6	0
20230723T085500	2023	07	23	08:55	61.8	83.3	0
20230723T090000	2023	07	23	09:00	62.5	83.8	0
20230723T090500	2023	07	23	09:05	63.1	81.4	0
20230723T091000	2023	07	23	09:10	63.4	81.9	0
20230723T091500	2023	07	23	09:15	64.5	81.6	0
20230723T092000	2023	07	23	09:20	64.7	79.1	0
20230723T092500	2023	07	23	09:25	66.6	79.6	0
20230723T093000	2023	07	23	09:30	68.3	79.6	0
20230723T093500	2023	07	23	09:35	69.2	78.6	0
20230723T094000	2023	07	23	09:40	70	77.7	0
20230723T094500	2023	07	23	09:45	71.5	76.5	0
20230723T095000	2023	07	23	09:50	71.8	71.6	0
20230723T095500	2023	07	23	09:55	72	70.1	0
20230723T100000	2023	07	23	10:00	72	64.5	0
20230723T100500	2023	07	23	10:05	72.7	61.9	0
20230723T101000	2023	07	23	10:10	73.3	63.1	0
20230723T101500	2023	07	23	10:15	73.5	60.3	0
20230723T102000	2023	07	23	10:20	74.2	60.7	0
20230723T102500	2023	07	23	10:25	74.5	60	0
20230723T103000	2023	07	23	10:30	74.3	59.6	0
20230723T103500	2023	07	23	10:35	73.6	59.4	0
20230723T104000	2023	07	23	10:40	74.3	58.7	0
20230723T104500	2023	07	23	10:45	73.6	58.1	0
20230723T105000	2023	07	23	10:50	73.6	59.7	0
20230723T105500	2023	07	23	10:55	74.7	58.5	0
20230723T110000	2023	07	23	11:00	73.9	58.6	0
20230723T110500	2023	07	23	11:05	72.9	60.1	0
20230723T111000	2023	07	23	11:10	72.5	61.4	0
20230723T111500	2023	07	23	11:15	73.7	61.7	0
20230723T112000	2023	07	23	11:20	74.7	59.3	0
20230723T112500	2023	07	23	11:25	74	56.8	0
20230723T113000	2023	07	23	11:30	73.6	59.6	0
20230723T113500	2023	07	23	11:35	74	58.8	0
20230723T114000	2023	07	23	11:40	74.1	58	0
20230723T114500	2023	07	23	11:45	75.1	58.1	0
20230723T115000	2023	07	23	11:50	74.8	56.4	0
20230723T115500	2023	07	23	11:55	75.1	56.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230723T120000	2023	07	23	12:00	76	55.2	0
20230723T120500	2023	07	23	12:05	76.2	55.5	0
20230723T121000	2023	07	23	12:10	75.5	55.6	0
20230723T121500	2023	07	23	12:15	75.8	56.2	0
20230723T122000	2023	07	23	12:20	76.2	54.2	0
20230723T122500	2023	07	23	12:25	75.4	54	0
20230723T123000	2023	07	23	12:30	76.2	53.6	0
20230723T123500	2023	07	23	12:35	75.2	51.7	0
20230723T124000	2023	07	23	12:40	76.5	53.5	0
20230723T124500	2023	07	23	12:45	76.8	52.5	0
20230723T125000	2023	07	23	12:50	76.5	52	0
20230723T125500	2023	07	23	12:55	76.2	51.6	0
20230723T130000	2023	07	23	13:00	76.7	54.1	0
20230723T130500	2023	07	23	13:05	77.3	51.5	0
20230723T131000	2023	07	23	13:10	77.5	50	0
20230723T131500	2023	07	23	13:15	76.5	50.6	0
20230723T132000	2023	07	23	13:20	76.9	51.5	0
20230723T132500	2023	07	23	13:25	77.3	51.1	0
20230723T133000	2023	07	23	13:30	76.9	48.5	0
20230723T133500	2023	07	23	13:35	76.4	50.4	0
20230723T134000	2023	07	23	13:40	77.1	48.1	0
20230723T134500	2023	07	23	13:45	77.4	47.8	0
20230723T135000	2023	07	23	13:50	77.5	47.4	0
20230723T135500	2023	07	23	13:55	78	43.8	0
20230723T140000	2023	07	23	14:00	78.1	45.2	0
20230723T140500	2023	07	23	14:05	78.2	46.4	0
20230723T141000	2023	07	23	14:10	78.3	44.2	0
20230723T141500	2023	07	23	14:15	78.4	42.8	0
20230723T142000	2023	07	23	14:20	78.5	44	0
20230723T142500	2023	07	23	14:25	78.2	43.6	0
20230723T143000	2023	07	23	14:30	78.5	44.2	0
20230723T143500	2023	07	23	14:35	78.3	40.5	0
20230723T144000	2023	07	23	14:40	78.4	39.7	0
20230723T144500	2023	07	23	14:45	78.9	40.5	0
20230723T145000	2023	07	23	14:50	78.6	38.5	0
20230723T145500	2023	07	23	14:55	79.1	40.4	0
20230723T150000	2023	07	23	15:00	78.5	41.8	0
20230723T150500	2023	07	23	15:05	78.5	41.8	0
20230723T151000	2023	07	23	15:10	78.5	43.2	0
20230723T151500	2023	07	23	15:15	78.3	43.5	0
20230723T152000	2023	07	23	15:20	78.4	43.5	0
20230723T152500	2023	07	23	15:25	79	42.4	0
20230723T153000	2023	07	23	15:30	78.7	40	0
20230723T153500	2023	07	23	15:35	78.6	42.6	0
20230723T154000	2023	07	23	15:40	78.9	42.9	0
20230723T154500	2023	07	23	15:45	78.8	42.5	0
20230723T155000	2023	07	23	15:50	78.8	43.2	0
20230723T155500	2023	07	23	15:55	78.9	45.6	0
20230723T160000	2023	07	23	16:00	79.1	46	0
20230723T160500	2023	07	23	16:05	79	45.1	0
20230723T161000	2023	07	23	16:10	78.9	43.1	0
20230723T161500	2023	07	23	16:15	78.6	41.3	0
20230723T162000	2023	07	23	16:20	78.8	42.4	0
20230723T162500	2023	07	23	16:25	79.1	41.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230723T163000	2023	07	23	16:30	79	43	0
20230723T163500	2023	07	23	16:35	78.6	40.8	0
20230723T164000	2023	07	23	16:40	78.8	42.3	0
20230723T164500	2023	07	23	16:45	78.7	43.3	0
20230723T165000	2023	07	23	16:50	78.9	44.3	0
20230723T165500	2023	07	23	16:55	78.7	42	0
20230723T170000	2023	07	23	17:00	78.7	41.8	0
20230723T170500	2023	07	23	17:05	78.7	42.8	0
20230723T171000	2023	07	23	17:10	78.7	43.5	0
20230723T171500	2023	07	23	17:15	78.7	41.7	0
20230723T172000	2023	07	23	17:20	78.1	43.2	0
20230723T172500	2023	07	23	17:25	78.4	43.2	0
20230723T173000	2023	07	23	17:30	78.6	43.6	0
20230723T173500	2023	07	23	17:35	78.6	44.4	0
20230723T174000	2023	07	23	17:40	78.4	42.5	0
20230723T174500	2023	07	23	17:45	78.3	42.1	0
20230723T175000	2023	07	23	17:50	78.5	43.1	0
20230723T175500	2023	07	23	17:55	78.2	42.6	0
20230723T180000	2023	07	23	18:00	78.2	42.5	0
20230723T180500	2023	07	23	18:05	78.2	43.4	0
20230723T181000	2023	07	23	18:10	77.9	43.9	0
20230723T181500	2023	07	23	18:15	77.9	42.7	0
20230723T182000	2023	07	23	18:20	78.1	43.3	0
20230723T182500	2023	07	23	18:25	77.8	44	0
20230723T183000	2023	07	23	18:30	77.6	44.7	0
20230723T183500	2023	07	23	18:35	77.7	43.6	0
20230723T184000	2023	07	23	18:40	77.4	44.1	0
20230723T184500	2023	07	23	18:45	77.5	43.8	0
20230723T185000	2023	07	23	18:50	77.3	45.9	0
20230723T185500	2023	07	23	18:55	77.1	44.9	0
20230723T190000	2023	07	23	19:00	76.6	46.8	0
20230723T190500	2023	07	23	19:05	76.3	47.6	0
20230723T191000	2023	07	23	19:10	75.9	49.8	0
20230723T191500	2023	07	23	19:15	75.5	51.3	0
20230723T192000	2023	07	23	19:20	75.2	52.2	0
20230723T192500	2023	07	23	19:25	75.3	51.1	0
20230723T193000	2023	07	23	19:30	74.7	53.7	0
20230723T193500	2023	07	23	19:35	74.1	55.4	0
20230723T194000	2023	07	23	19:40	74	56.1	0
20230723T194500	2023	07	23	19:45	73.4	57.1	0
20230723T195000	2023	07	23	19:50	72	59.9	0
20230723T195500	2023	07	23	19:55	70.2	63	0
20230723T200000	2023	07	23	20:00	68.5	68	0
20230723T200500	2023	07	23	20:05	68.2	72.6	0
20230723T201000	2023	07	23	20:10	67.4	74.9	0
20230723T201500	2023	07	23	20:15	66.6	73.9	0
20230723T202000	2023	07	23	20:20	66	75.2	0
20230723T202500	2023	07	23	20:25	65.2	76.8	0
20230723T203000	2023	07	23	20:30	64.2	80.2	0
20230723T203500	2023	07	23	20:35	64.5	82.8	0
20230723T204000	2023	07	23	20:40	65.3	80.6	0
20230723T204500	2023	07	23	20:45	64.4	80.1	0
20230723T205000	2023	07	23	20:50	63.1	82.5	0
20230723T205500	2023	07	23	20:55	62.7	86.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230723T210000	2023	07	23	21:00	62.1	88.7	0
20230723T210500	2023	07	23	21:05	62	87.8	0
20230723T211000	2023	07	23	21:10	62.2	87.9	0
20230723T211500	2023	07	23	21:15	61.6	88.5	0
20230723T212000	2023	07	23	21:20	60.6	90.8	0
20230723T212500	2023	07	23	21:25	60.5	92	0
20230723T213000	2023	07	23	21:30	60.6	92.3	0
20230723T213500	2023	07	23	21:35	60.2	93.4	0
20230723T214000	2023	07	23	21:40	60.1	93.8	0
20230723T214500	2023	07	23	21:45	59.9	94.2	0
20230723T215000	2023	07	23	21:50	59.1	94.8	0
20230723T215500	2023	07	23	21:55	59.2	94.6	0
20230723T220000	2023	07	23	22:00	59.5	95.2	0
20230723T220500	2023	07	23	22:05	59.4	95.4	0
20230723T221000	2023	07	23	22:10	58.2	95.2	0
20230723T221500	2023	07	23	22:15	57.6	95.4	0
20230723T222000	2023	07	23	22:20	58.1	96.5	0
20230723T222500	2023	07	23	22:25	58.4	96.4	0
20230723T223000	2023	07	23	22:30	58.7	96.7	0
20230723T223500	2023	07	23	22:35	58.3	96.7	0
20230723T224000	2023	07	23	22:40	57.6	96.5	0
20230723T224500	2023	07	23	22:45	57.4	96.5	0
20230723T225000	2023	07	23	22:50	57.6	96.7	0
20230723T225500	2023	07	23	22:55	57.6	97.3	0
20230723T230000	2023	07	23	23:00	57.5	97.1	0
20230723T230500	2023	07	23	23:05	57.6	97.2	0
20230723T231000	2023	07	23	23:10	57.4	97.2	0
20230723T231500	2023	07	23	23:15	57.2	97.1	0
20230723T232000	2023	07	23	23:20	56.8	97.1	0
20230723T232500	2023	07	23	23:25	57.1	97.5	0
20230723T233000	2023	07	23	23:30	57.3	97.5	0
20230723T233500	2023	07	23	23:35	57.3	97.6	0
20230723T234000	2023	07	23	23:40	57.5	97.9	0
20230723T234500	2023	07	23	23:45	56.9	97.7	0
20230723T235000	2023	07	23	23:50	56.9	97.8	0
20230723T235500	2023	07	23	23:55	57.1	97.9	0
20230724T000000	2023	07	24	00:00	57.1	98.1	0
20230724T000500	2023	07	24	00:05	56.6	98	0
20230724T001000	2023	07	24	00:10	56.7	98.1	0
20230724T001500	2023	07	24	00:15	57.1	98.2	0
20230724T002000	2023	07	24	00:20	57.3	98.3	0
20230724T002500	2023	07	24	00:25	57	98.1	0
20230724T003000	2023	07	24	00:30	57.1	98.1	0
20230724T003500	2023	07	24	00:35	56.7	97.9	0
20230724T004000	2023	07	24	00:40	56.2	97.8	0
20230724T004500	2023	07	24	00:45	56.1	98	0
20230724T005000	2023	07	24	00:50	55.8	98	0
20230724T005500	2023	07	24	00:55	55.7	98.1	0
20230724T010000	2023	07	24	01:00	55.8	98.2	0
20230724T010500	2023	07	24	01:05	55.8	98.4	0
20230724T011000	2023	07	24	01:10	56	98.4	0
20230724T011500	2023	07	24	01:15	55.7	98.4	0
20230724T012000	2023	07	24	01:20	55.5	98.5	0
20230724T012500	2023	07	24	01:25	55.1	98.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230724T013000	2023	07	24	01:30	55.3	98.5	0
20230724T013500	2023	07	24	01:35	55.3	98.6	0
20230724T014000	2023	07	24	01:40	55.5	98.7	0
20230724T014500	2023	07	24	01:45	55.5	98.8	0
20230724T015000	2023	07	24	01:50	55.2	98.7	0
20230724T015500	2023	07	24	01:55	54.6	98.5	0
20230724T020000	2023	07	24	02:00	54.6	98.6	0
20230724T020500	2023	07	24	02:05	55	98.7	0
20230724T021000	2023	07	24	02:10	54.9	98.9	0
20230724T021500	2023	07	24	02:15	55.1	98.9	0
20230724T022000	2023	07	24	02:20	55.4	99.2	0
20230724T022500	2023	07	24	02:25	55.6	99.2	0
20230724T023000	2023	07	24	02:30	55.7	99.2	0
20230724T023500	2023	07	24	02:35	56.2	99.2	0
20230724T024000	2023	07	24	02:40	56.1	98.9	0
20230724T024500	2023	07	24	02:45	55.9	98.8	0
20230724T025000	2023	07	24	02:50	56.5	99.2	0
20230724T025500	2023	07	24	02:55	56.4	98.9	0
20230724T030000	2023	07	24	03:00	56.6	99	0
20230724T030500	2023	07	24	03:05	56.8	99	0
20230724T031000	2023	07	24	03:10	57	98.9	0
20230724T031500	2023	07	24	03:15	57.2	98.8	0
20230724T032000	2023	07	24	03:20	57.2	98.7	0
20230724T032500	2023	07	24	03:25	57.2	98.6	0
20230724T033000	2023	07	24	03:30	57.2	98.5	0
20230724T033500	2023	07	24	03:35	57.2	98.5	0
20230724T034000	2023	07	24	03:40	57.3	98.6	0
20230724T034500	2023	07	24	03:45	57.5	98.6	0
20230724T035000	2023	07	24	03:50	57.7	98.5	0
20230724T035500	2023	07	24	03:55	57.8	98.4	0
20230724T040000	2023	07	24	04:00	57.9	98.4	0
20230724T040500	2023	07	24	04:05	57.9	98.4	0
20230724T041000	2023	07	24	04:10	57.9	98.3	0
20230724T041500	2023	07	24	04:15	58	98.3	0
20230724T042000	2023	07	24	04:20	57.7	98	0
20230724T042500	2023	07	24	04:25	57.7	98.1	0
20230724T043000	2023	07	24	04:30	57.7	97.9	0
20230724T043500	2023	07	24	04:35	57.3	97.8	0
20230724T044000	2023	07	24	04:40	57.3	98	0
20230724T044500	2023	07	24	04:45	57.2	98	0
20230724T045000	2023	07	24	04:50	56.6	97.7	0
20230724T045500	2023	07	24	04:55	56.2	97.8	0
20230724T050000	2023	07	24	05:00	55.9	97.9	0
20230724T050500	2023	07	24	05:05	55.9	97.9	0
20230724T051000	2023	07	24	05:10	55.7	98.1	0
20230724T051500	2023	07	24	05:15	55.6	98.1	0
20230724T052000	2023	07	24	05:20	55.4	98.1	0
20230724T052500	2023	07	24	05:25	55.6	98.4	0
20230724T053000	2023	07	24	05:30	55.6	98.4	0
20230724T053500	2023	07	24	05:35	56	98.8	0
20230724T054000	2023	07	24	05:40	56.2	98.8	0
20230724T054500	2023	07	24	05:45	56.1	98.8	0
20230724T055000	2023	07	24	05:50	55.4	98.2	0
20230724T055500	2023	07	24	05:55	55.1	98.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230724T060000	2023	07	24	06:00	55.3	98.7	0
20230724T060500	2023	07	24	06:05	55.3	98.8	0
20230724T061000	2023	07	24	06:10	55.9	99	0
20230724T061500	2023	07	24	06:15	56	98.7	0
20230724T062000	2023	07	24	06:20	56.5	98.9	0
20230724T062500	2023	07	24	06:25	56.9	98.9	0
20230724T063000	2023	07	24	06:30	56.8	98.6	0
20230724T063500	2023	07	24	06:35	57.1	98.6	0
20230724T064000	2023	07	24	06:40	57.6	98.5	0
20230724T064500	2023	07	24	06:45	58	98.4	0
20230724T065000	2023	07	24	06:50	58.2	98	0
20230724T065500	2023	07	24	06:55	58.7	97.7	0
20230724T070000	2023	07	24	07:00	58.9	97.2	0
20230724T070500	2023	07	24	07:05	59.3	96.9	0
20230724T071000	2023	07	24	07:10	59.8	96.3	0
20230724T071500	2023	07	24	07:15	60.1	95.4	0
20230724T072000	2023	07	24	07:20	60.1	94.9	0
20230724T072500	2023	07	24	07:25	60.3	94.9	0
20230724T073000	2023	07	24	07:30	60.8	94.5	0
20230724T073500	2023	07	24	07:35	61.5	93.8	0
20230724T074000	2023	07	24	07:40	62.1	92.2	0
20230724T074500	2023	07	24	07:45	62.4	91.7	0
20230724T075000	2023	07	24	07:50	62.3	91.6	0
20230724T075500	2023	07	24	07:55	62.6	91.3	0
20230724T080000	2023	07	24	08:00	62.7	90.8	0
20230724T080500	2023	07	24	08:05	62.7	90.9	0
20230724T081000	2023	07	24	08:10	62.8	91	0
20230724T081500	2023	07	24	08:15	62.7	91.6	0
20230724T082000	2023	07	24	08:20	62.7	92.6	0
20230724T082500	2023	07	24	08:25	63.5	92.8	0
20230724T083000	2023	07	24	08:30	64.7	89.3	0
20230724T083500	2023	07	24	08:35	65.9	80.9	0
20230724T084000	2023	07	24	08:40	66.2	76.6	0
20230724T084500	2023	07	24	08:45	65.8	77	0
20230724T085000	2023	07	24	08:50	65.1	79.3	0.009
20230724T085500	2023	07	24	08:55	64.5	82.6	0.006
20230724T090000	2023	07	24	09:00	64	85.1	0.002
20230724T090500	2023	07	24	09:05	63.8	86.3	0.014
20230724T091000	2023	07	24	09:10	63.8	86.9	0.005
20230724T091500	2023	07	24	09:15	64	87	0.001
20230724T092000	2023	07	24	09:20	64.3	87.2	0
20230724T092500	2023	07	24	09:25	64	88.2	0
20230724T093000	2023	07	24	09:30	63.9	90.5	0
20230724T093500	2023	07	24	09:35	65.2	82.1	0
20230724T094000	2023	07	24	09:40	65	85.3	0.003
20230724T094500	2023	07	24	09:45	65.3	87.7	0
20230724T095000	2023	07	24	09:50	65.3	88.7	0
20230724T095500	2023	07	24	09:55	65.9	88.6	0
20230724T100000	2023	07	24	10:00	66	86.4	0
20230724T100500	2023	07	24	10:05	66.2	87.6	0
20230724T101000	2023	07	24	10:10	66.4	88.2	0
20230724T101500	2023	07	24	10:15	68	88.5	0
20230724T102000	2023	07	24	10:20	68.8	86.3	0
20230724T102500	2023	07	24	10:25	69.8	84.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230724T103000	2023	07	24	10:30	71.1	83.5	0
20230724T103500	2023	07	24	10:35	72.4	80.3	0
20230724T104000	2023	07	24	10:40	72.5	75.9	0
20230724T104500	2023	07	24	10:45	73.3	72.5	0
20230724T105000	2023	07	24	10:50	74	71.3	0
20230724T105500	2023	07	24	10:55	74.1	70.4	0
20230724T110000	2023	07	24	11:00	74.9	68.9	0
20230724T110500	2023	07	24	11:05	76	66	0
20230724T111000	2023	07	24	11:10	76.3	65.1	0
20230724T111500	2023	07	24	11:15	76	61.2	0
20230724T112000	2023	07	24	11:20	75.8	60.9	0
20230724T112500	2023	07	24	11:25	76.6	62.7	0
20230724T113000	2023	07	24	11:30	76.5	61.7	0
20230724T113500	2023	07	24	11:35	76.5	59.1	0
20230724T114000	2023	07	24	11:40	76.2	57.6	0
20230724T114500	2023	07	24	11:45	76.7	57.5	0
20230724T115000	2023	07	24	11:50	77.4	56.9	0
20230724T115500	2023	07	24	11:55	76.7	56.8	0
20230724T120000	2023	07	24	12:00	77.8	59	0
20230724T120500	2023	07	24	12:05	78.8	60.8	0
20230724T121000	2023	07	24	12:10	77.7	61.8	0
20230724T121500	2023	07	24	12:15	77.2	63.8	0
20230724T122000	2023	07	24	12:20	77.4	64.1	0
20230724T122500	2023	07	24	12:25	76.8	66	0
20230724T123000	2023	07	24	12:30	76.5	68.1	0
20230724T123500	2023	07	24	12:35	76.6	65.4	0
20230724T124000	2023	07	24	12:40	75.7	69.5	0
20230724T124500	2023	07	24	12:45	76	69.7	0
20230724T125000	2023	07	24	12:50	75.5	70.3	0
20230724T125500	2023	07	24	12:55	75.8	69.9	0
20230724T130000	2023	07	24	13:00	76.4	68.4	0
20230724T130500	2023	07	24	13:05	77.3	67.1	0
20230724T131000	2023	07	24	13:10	77.3	65.1	0
20230724T131500	2023	07	24	13:15	76.7	63.1	0
20230724T132000	2023	07	24	13:20	76.2	62.7	0
20230724T132500	2023	07	24	13:25	76.4	65	0
20230724T133000	2023	07	24	13:30	76.2	66	0
20230724T133500	2023	07	24	13:35	76.3	65.7	0
20230724T134000	2023	07	24	13:40	76.6	67	0
20230724T134500	2023	07	24	13:45	77.3	65.2	0
20230724T135000	2023	07	24	13:50	77.1	61.2	0
20230724T135500	2023	07	24	13:55	76.9	60.6	0
20230724T140000	2023	07	24	14:00	77.1	59.7	0
20230724T140500	2023	07	24	14:05	75.9	59.9	0
20230724T141000	2023	07	24	14:10	75.6	63	0
20230724T141500	2023	07	24	14:15	74.9	65.1	0
20230724T142000	2023	07	24	14:20	74.3	65.4	0
20230724T142500	2023	07	24	14:25	74.7	67.4	0
20230724T143000	2023	07	24	14:30	75.7	67.8	0
20230724T143500	2023	07	24	14:35	77.1	63.2	0
20230724T144000	2023	07	24	14:40	76.8	66.3	0
20230724T144500	2023	07	24	14:45	76	66.2	0
20230724T145000	2023	07	24	14:50	75	66.2	0
20230724T145500	2023	07	24	14:55	75	67.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230724T150000	2023	07	24	15:00	75.5	66.1	0
20230724T150500	2023	07	24	15:05	76	66.6	0
20230724T151000	2023	07	24	15:10	76.6	65.3	0
20230724T151500	2023	07	24	15:15	76.7	66	0
20230724T152000	2023	07	24	15:20	76.8	64.1	0
20230724T152500	2023	07	24	15:25	75.8	64.3	0
20230724T153000	2023	07	24	15:30	74.5	65.7	0
20230724T153500	2023	07	24	15:35	73.6	66.6	0
20230724T154000	2023	07	24	15:40	73.1	68.2	0
20230724T154500	2023	07	24	15:45	72.8	69.1	0
20230724T155000	2023	07	24	15:50	72.5	69.8	0
20230724T155500	2023	07	24	15:55	72.4	70.1	0
20230724T160000	2023	07	24	16:00	72.3	70.7	0
20230724T160500	2023	07	24	16:05	72.4	70.7	0
20230724T161000	2023	07	24	16:10	72.3	71.9	0
20230724T161500	2023	07	24	16:15	72.4	72.6	0
20230724T162000	2023	07	24	16:20	72.5	74.3	0
20230724T162500	2023	07	24	16:25	72.6	72.5	0
20230724T163000	2023	07	24	16:30	72.3	74	0
20230724T163500	2023	07	24	16:35	72.6	73.5	0
20230724T164000	2023	07	24	16:40	72.4	74.4	0
20230724T164500	2023	07	24	16:45	71.9	78.2	0
20230724T165000	2023	07	24	16:50	71.9	77.8	0
20230724T165500	2023	07	24	16:55	71.6	78.9	0
20230724T170000	2023	07	24	17:00	71.2	83.4	0
20230724T170500	2023	07	24	17:05	71.3	84.3	0
20230724T171000	2023	07	24	17:10	71.2	84.9	0
20230724T171500	2023	07	24	17:15	70.7	82.4	0
20230724T172000	2023	07	24	17:20	67.6	85.5	0
20230724T172500	2023	07	24	17:25	66.5	88.7	0
20230724T173000	2023	07	24	17:30	66.5	85.8	0
20230724T173500	2023	07	24	17:35	66.1	81.3	0
20230724T174000	2023	07	24	17:40	64.2	79.5	0.019
20230724T174500	2023	07	24	17:45	63.2	83.6	0.043
20230724T175000	2023	07	24	17:50	62.7	87.8	0.002
20230724T175500	2023	07	24	17:55	62.5	89.4	0
20230724T180000	2023	07	24	18:00	62.6	90.5	0
20230724T180500	2023	07	24	18:05	63.2	90.9	0
20230724T181000	2023	07	24	18:10	63.2	92	0
20230724T181500	2023	07	24	18:15	63.3	92.8	0
20230724T182000	2023	07	24	18:20	63.7	93	0
20230724T182500	2023	07	24	18:25	64	93	0
20230724T183000	2023	07	24	18:30	64	93	0
20230724T183500	2023	07	24	18:35	63.9	93	0
20230724T184000	2023	07	24	18:40	63.9	92.9	0
20230724T184500	2023	07	24	18:45	64	93	0
20230724T185000	2023	07	24	18:50	64.1	92.4	0
20230724T185500	2023	07	24	18:55	63.9	91.3	0
20230724T190000	2023	07	24	19:00	63.7	92.2	0
20230724T190500	2023	07	24	19:05	63.6	93.1	0
20230724T191000	2023	07	24	19:10	63.6	93.3	0
20230724T191500	2023	07	24	19:15	63.4	93.4	0
20230724T192000	2023	07	24	19:20	63.3	93.8	0
20230724T192500	2023	07	24	19:25	63.6	94.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230724T193000	2023	07	24	19:30	63.5	95.2	0
20230724T193500	2023	07	24	19:35	63.5	95.3	0
20230724T194000	2023	07	24	19:40	63.6	95	0.005
20230724T194500	2023	07	24	19:45	63.6	95.2	0
20230724T195000	2023	07	24	19:50	63.7	95.5	0
20230724T195500	2023	07	24	19:55	64.2	95.7	0
20230724T200000	2023	07	24	20:00	64.4	95.3	0
20230724T200500	2023	07	24	20:05	64.4	94.9	0
20230724T201000	2023	07	24	20:10	64.3	94.8	0
20230724T201500	2023	07	24	20:15	64.2	94.7	0
20230724T202000	2023	07	24	20:20	63.9	95.2	0
20230724T202500	2023	07	24	20:25	63.6	95.9	0
20230724T203000	2023	07	24	20:30	63.4	96.4	0
20230724T203500	2023	07	24	20:35	63.3	96.8	0
20230724T204000	2023	07	24	20:40	63.4	97.2	0
20230724T204500	2023	07	24	20:45	63.6	97.4	0
20230724T205000	2023	07	24	20:50	63.6	97.4	0
20230724T205500	2023	07	24	20:55	63.4	97.3	0
20230724T210000	2023	07	24	21:00	63.3	97.4	0
20230724T210500	2023	07	24	21:05	63.3	97.5	0
20230724T211000	2023	07	24	21:10	63.3	97.3	0
20230724T211500	2023	07	24	21:15	63.1	97	0
20230724T212000	2023	07	24	21:20	63	97	0
20230724T212500	2023	07	24	21:25	62.9	97	0
20230724T213000	2023	07	24	21:30	62.9	97	0
20230724T213500	2023	07	24	21:35	62.7	97	0
20230724T214000	2023	07	24	21:40	62.8	97.3	0
20230724T214500	2023	07	24	21:45	62.9	97.4	0
20230724T215000	2023	07	24	21:50	62.7	97.4	0
20230724T215500	2023	07	24	21:55	62.6	97.5	0
20230724T220000	2023	07	24	22:00	62.7	97.7	0
20230724T220500	2023	07	24	22:05	62.7	97.7	0
20230724T221000	2023	07	24	22:10	62.7	97.8	0
20230724T221500	2023	07	24	22:15	62.6	97.8	0
20230724T222000	2023	07	24	22:20	62.4	97.8	0
20230724T222500	2023	07	24	22:25	62.4	97.9	0
20230724T223000	2023	07	24	22:30	62.3	98	0
20230724T223500	2023	07	24	22:35	62.3	98.2	0
20230724T224000	2023	07	24	22:40	62.3	98.3	0
20230724T224500	2023	07	24	22:45	62.3	98.3	0
20230724T225000	2023	07	24	22:50	62.1	98.2	0
20230724T225500	2023	07	24	22:55	62.1	98.3	0
20230724T230000	2023	07	24	23:00	61.9	98.3	0
20230724T230500	2023	07	24	23:05	61.9	98.4	0
20230724T231000	2023	07	24	23:10	61.7	98.3	0
20230724T231500	2023	07	24	23:15	61.7	98.3	0
20230724T232000	2023	07	24	23:20	61.6	98.4	0
20230724T232500	2023	07	24	23:25	61.4	98.2	0
20230724T233000	2023	07	24	23:30	61.4	98.5	0
20230724T233500	2023	07	24	23:35	61.2	98.4	0
20230724T234000	2023	07	24	23:40	60.7	98.2	0
20230724T234500	2023	07	24	23:45	60.1	98.1	0
20230724T235000	2023	07	24	23:50	60.3	98.4	0
20230724T235500	2023	07	24	23:55	60.2	98.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230725T000000	2023	07	25	00:00	60.2	98.6	0
20230725T000500	2023	07	25	00:05	60.1	98.7	0
20230725T001000	2023	07	25	00:10	59.9	98.6	0
20230725T001500	2023	07	25	00:15	60	98.8	0
20230725T002000	2023	07	25	00:20	60	98.8	0
20230725T002500	2023	07	25	00:25	60.2	99	0
20230725T003000	2023	07	25	00:30	60.1	98.9	0
20230725T003500	2023	07	25	00:35	59.8	98.8	0
20230725T004000	2023	07	25	00:40	59.7	98.8	0
20230725T004500	2023	07	25	00:45	59.4	98.8	0
20230725T005000	2023	07	25	00:50	59.6	99.2	0
20230725T005500	2023	07	25	00:55	59.5	98.9	0
20230725T010000	2023	07	25	01:00	59.4	98.9	0
20230725T010500	2023	07	25	01:05	58.9	98.7	0
20230725T011000	2023	07	25	01:10	58.9	98.9	0
20230725T011500	2023	07	25	01:15	58.2	98.6	0
20230725T012000	2023	07	25	01:20	58.3	98.9	0
20230725T012500	2023	07	25	01:25	58.3	99	0
20230725T013000	2023	07	25	01:30	58.5	99.2	0
20230725T013500	2023	07	25	01:35	58.6	99.2	0
20230725T014000	2023	07	25	01:40	58.1	98.9	0
20230725T014500	2023	07	25	01:45	57.7	98.9	0
20230725T015000	2023	07	25	01:50	57.4	98.8	0
20230725T015500	2023	07	25	01:55	57.1	98.9	0
20230725T020000	2023	07	25	02:00	56.9	99.1	0
20230725T020500	2023	07	25	02:05	56.5	99	0
20230725T021000	2023	07	25	02:10	57	99.2	0
20230725T021500	2023	07	25	02:15	56.9	99.2	0
20230725T022000	2023	07	25	02:20	57.4	99.5	0
20230725T022500	2023	07	25	02:25	57.3	99.4	0
20230725T023000	2023	07	25	02:30	57.3	99.3	0
20230725T023500	2023	07	25	02:35	56.5	99.1	0
20230725T024000	2023	07	25	02:40	56.5	99.2	0
20230725T024500	2023	07	25	02:45	56.6	99.5	0
20230725T025000	2023	07	25	02:50	55.9	99.2	0
20230725T025500	2023	07	25	02:55	55.8	99.3	0
20230725T030000	2023	07	25	03:00	55.6	99.2	0
20230725T030500	2023	07	25	03:05	56.1	99.5	0
20230725T031000	2023	07	25	03:10	56.1	99.5	0
20230725T031500	2023	07	25	03:15	56.8	99.7	0
20230725T032000	2023	07	25	03:20	57.4	100	0
20230725T032500	2023	07	25	03:25	57.8	99.8	0
20230725T033000	2023	07	25	03:30	57.5	99.6	0
20230725T033500	2023	07	25	03:35	56.8	99.3	0
20230725T034000	2023	07	25	03:40	56.2	99.3	0
20230725T034500	2023	07	25	03:45	55.6	99.3	0
20230725T035000	2023	07	25	03:50	55.8	99.5	0
20230725T035500	2023	07	25	03:55	56.3	99.7	0
20230725T040000	2023	07	25	04:00	55.5	99.5	0
20230725T040500	2023	07	25	04:05	55.1	99.4	0
20230725T041000	2023	07	25	04:10	55.8	99.7	0
20230725T041500	2023	07	25	04:15	55.3	99.7	0
20230725T042000	2023	07	25	04:20	54.9	99.5	0
20230725T042500	2023	07	25	04:25	54.7	99.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230725T043000	2023	07	25	04:30	54.7	99.5	0
20230725T043500	2023	07	25	04:35	55	99.6	0
20230725T044000	2023	07	25	04:40	55.4	99.9	0
20230725T044500	2023	07	25	04:45	55.1	99.7	0
20230725T045000	2023	07	25	04:50	54.7	99.6	0
20230725T045500	2023	07	25	04:55	54.6	99.6	0
20230725T050000	2023	07	25	05:00	54.5	99.7	0
20230725T050500	2023	07	25	05:05	54.4	99.7	0
20230725T051000	2023	07	25	05:10	54.1	99.7	0
20230725T051500	2023	07	25	05:15	54.4	99.8	0
20230725T052000	2023	07	25	05:20	54.9	99.9	0
20230725T052500	2023	07	25	05:25	55.4	100	0
20230725T053000	2023	07	25	05:30	55.4	100	0
20230725T053500	2023	07	25	05:35	55.2	99.8	0
20230725T054000	2023	07	25	05:40	55.1	99.8	0
20230725T054500	2023	07	25	05:45	55.1	99.8	0
20230725T055000	2023	07	25	05:50	55.1	99.9	0
20230725T055500	2023	07	25	05:55	55.2	100	0
20230725T060000	2023	07	25	06:00	55.3	100	0
20230725T060500	2023	07	25	06:05	55.3	100	0
20230725T061000	2023	07	25	06:10	55.4	100	0
20230725T061500	2023	07	25	06:15	55.4	100	0
20230725T062000	2023	07	25	06:20	55.3	100	0
20230725T062500	2023	07	25	06:25	55.4	100	0
20230725T063000	2023	07	25	06:30	55.3	100	0
20230725T063500	2023	07	25	06:35	55.4	100	0
20230725T064000	2023	07	25	06:40	55.7	100	0
20230725T064500	2023	07	25	06:45	56	100	0
20230725T065000	2023	07	25	06:50	56.3	100	0
20230725T065500	2023	07	25	06:55	56.3	100	0
20230725T070000	2023	07	25	07:00	56.5	100	0
20230725T070500	2023	07	25	07:05	56.8	100	0
20230725T071000	2023	07	25	07:10	56.7	100	0
20230725T071500	2023	07	25	07:15	57.1	99.9	0
20230725T072000	2023	07	25	07:20	57.4	100	0
20230725T072500	2023	07	25	07:25	57.8	99.9	0
20230725T073000	2023	07	25	07:30	57.9	99.8	0
20230725T073500	2023	07	25	07:35	58.2	99.9	0
20230725T074000	2023	07	25	07:40	58.5	99.9	0
20230725T074500	2023	07	25	07:45	59.1	100	0
20230725T075000	2023	07	25	07:50	59.5	99.9	0
20230725T075500	2023	07	25	07:55	59	99.5	0
20230725T080000	2023	07	25	08:00	60	100	0
20230725T080500	2023	07	25	08:05	60.5	99.8	0
20230725T081000	2023	07	25	08:10	60.7	99.5	0
20230725T081500	2023	07	25	08:15	61.2	99.4	0
20230725T082000	2023	07	25	08:20	62.2	99.4	0
20230725T082500	2023	07	25	08:25	62.6	99.2	0
20230725T083000	2023	07	25	08:30	63.4	97.5	0
20230725T083500	2023	07	25	08:35	63.7	94.5	0
20230725T084000	2023	07	25	08:40	64	92.9	0
20230725T084500	2023	07	25	08:45	64.3	90.4	0
20230725T085000	2023	07	25	08:50	64.7	89.8	0
20230725T085500	2023	07	25	08:55	64.7	89.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230725T090000	2023	07	25	09:00	65.5	90.3	0
20230725T090500	2023	07	25	09:05	65.7	86.9	0
20230725T091000	2023	07	25	09:10	66.7	86.8	0
20230725T091500	2023	07	25	09:15	67	83.6	0
20230725T092000	2023	07	25	09:20	67.1	82.1	0
20230725T092500	2023	07	25	09:25	67.4	80.5	0
20230725T093000	2023	07	25	09:30	69.2	79.7	0
20230725T093500	2023	07	25	09:35	70.4	79.8	0
20230725T094000	2023	07	25	09:40	70.9	79.6	0
20230725T094500	2023	07	25	09:45	70.9	80	0
20230725T095000	2023	07	25	09:50	70.9	79.4	0
20230725T095500	2023	07	25	09:55	71.5	79.5	0
20230725T100000	2023	07	25	10:00	72.2	78.2	0
20230725T100500	2023	07	25	10:05	72.5	75.8	0
20230725T101000	2023	07	25	10:10	72.5	74.7	0
20230725T101500	2023	07	25	10:15	73.1	72.2	0
20230725T102000	2023	07	25	10:20	73.5	73.8	0
20230725T102500	2023	07	25	10:25	72.9	71	0
20230725T103000	2023	07	25	10:30	72.7	68.8	0
20230725T103500	2023	07	25	10:35	73	68	0
20230725T104000	2023	07	25	10:40	73.3	69.7	0
20230725T104500	2023	07	25	10:45	74.1	70.7	0
20230725T105000	2023	07	25	10:50	73.9	69.3	0
20230725T105500	2023	07	25	10:55	73.3	72.1	0
20230725T110000	2023	07	25	11:00	73.5	71.7	0
20230725T110500	2023	07	25	11:05	74.1	73.7	0
20230725T111000	2023	07	25	11:10	74.1	73.5	0
20230725T111500	2023	07	25	11:15	73.7	74.2	0
20230725T112000	2023	07	25	11:20	73.7	76.3	0
20230725T112500	2023	07	25	11:25	74.5	77.8	0
20230725T113000	2023	07	25	11:30	74.7	74.8	0
20230725T113500	2023	07	25	11:35	75.1	75.2	0
20230725T114000	2023	07	25	11:40	74.3	73.7	0
20230725T114500	2023	07	25	11:45	74.2	75.7	0
20230725T115000	2023	07	25	11:50	74.2	72.8	0
20230725T115500	2023	07	25	11:55	74.4	74.3	0
20230725T120000	2023	07	25	12:00	74.4	75.4	0
20230725T120500	2023	07	25	12:05	74.8	73.6	0
20230725T121000	2023	07	25	12:10	75.1	74.1	0
20230725T121500	2023	07	25	12:15	74.9	71.1	0
20230725T122000	2023	07	25	12:20	74.4	71.9	0
20230725T122500	2023	07	25	12:25	74.6	73.3	0
20230725T123000	2023	07	25	12:30	74.3	73.8	0
20230725T123500	2023	07	25	12:35	74.5	68.7	0
20230725T124000	2023	07	25	12:40	74.9	65.2	0
20230725T124500	2023	07	25	12:45	74.8	65.2	0
20230725T125000	2023	07	25	12:50	75.1	66.9	0
20230725T125500	2023	07	25	12:55	75	66.4	0
20230725T130000	2023	07	25	13:00	75.2	66.1	0
20230725T130500	2023	07	25	13:05	75.2	62.7	0
20230725T131000	2023	07	25	13:10	75.2	63.8	0
20230725T131500	2023	07	25	13:15	75.2	64.3	0
20230725T132000	2023	07	25	13:20	75.3	64.3	0
20230725T132500	2023	07	25	13:25	75.1	63.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230725T133000	2023	07	25	13:30	75.1	64	0
20230725T133500	2023	07	25	13:35	75.5	64.7	0
20230725T134000	2023	07	25	13:40	75.9	64.5	0
20230725T134500	2023	07	25	13:45	75.9	64.8	0
20230725T135000	2023	07	25	13:50	76.2	64	0
20230725T135500	2023	07	25	13:55	76.4	63.9	0
20230725T140000	2023	07	25	14:00	76.8	63.2	0
20230725T140500	2023	07	25	14:05	76	63.3	0
20230725T141000	2023	07	25	14:10	75.9	64.5	0
20230725T141500	2023	07	25	14:15	75.6	65.5	0
20230725T142000	2023	07	25	14:20	76.2	64.6	0
20230725T142500	2023	07	25	14:25	77	64.2	0
20230725T143000	2023	07	25	14:30	76.2	65.4	0
20230725T143500	2023	07	25	14:35	75.7	67.4	0
20230725T144000	2023	07	25	14:40	76.4	65.5	0
20230725T144500	2023	07	25	14:45	76.5	61	0
20230725T145000	2023	07	25	14:50	75.9	64	0
20230725T145500	2023	07	25	14:55	75.5	65.7	0
20230725T150000	2023	07	25	15:00	75.3	66.1	0
20230725T150500	2023	07	25	15:05	75.3	66.1	0
20230725T151000	2023	07	25	15:10	75.5	66.8	0
20230725T151500	2023	07	25	15:15	75.5	67	0
20230725T152000	2023	07	25	15:20	75.1	73.4	0
20230725T152500	2023	07	25	15:25	75.3	74	0
20230725T153000	2023	07	25	15:30	74.9	73.3	0
20230725T153500	2023	07	25	15:35	75.1	73.8	0
20230725T154000	2023	07	25	15:40	75.2	71.2	0
20230725T154500	2023	07	25	15:45	75.6	72.7	0
20230725T155000	2023	07	25	15:50	75.4	73	0
20230725T155500	2023	07	25	15:55	75.4	73.4	0
20230725T160000	2023	07	25	16:00	74.7	72.3	0
20230725T160500	2023	07	25	16:05	74.8	75	0
20230725T161000	2023	07	25	16:10	76.2	73	0
20230725T161500	2023	07	25	16:15	76.5	68.5	0
20230725T162000	2023	07	25	16:20	75.8	66.8	0
20230725T162500	2023	07	25	16:25	75.3	67.7	0
20230725T163000	2023	07	25	16:30	75.2	68.3	0
20230725T163500	2023	07	25	16:35	75	67.4	0
20230725T164000	2023	07	25	16:40	75.2	68.5	0
20230725T164500	2023	07	25	16:45	75.2	67.9	0
20230725T165000	2023	07	25	16:50	75	68.1	0
20230725T165500	2023	07	25	16:55	75	68	0
20230725T170000	2023	07	25	17:00	75	68.8	0
20230725T170500	2023	07	25	17:05	74.9	70	0
20230725T171000	2023	07	25	17:10	75.1	68.8	0
20230725T171500	2023	07	25	17:15	75.4	67.2	0
20230725T172000	2023	07	25	17:20	75.3	67.6	0
20230725T172500	2023	07	25	17:25	75.2	68.1	0
20230725T173000	2023	07	25	17:30	75.2	67.2	0
20230725T173500	2023	07	25	17:35	75.1	67.1	0
20230725T174000	2023	07	25	17:40	75.2	66.1	0
20230725T174500	2023	07	25	17:45	75.2	66.9	0
20230725T175000	2023	07	25	17:50	75.6	68.1	0
20230725T175500	2023	07	25	17:55	75.9	67.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230725T180000	2023	07	25	18:00	75.6	67.2	0
20230725T180500	2023	07	25	18:05	75.3	68.8	0
20230725T181000	2023	07	25	18:10	74.6	68.1	0
20230725T181500	2023	07	25	18:15	74.2	70.8	0
20230725T182000	2023	07	25	18:20	74	70.4	0
20230725T182500	2023	07	25	18:25	73.7	71.1	0
20230725T183000	2023	07	25	18:30	73.4	71.6	0
20230725T183500	2023	07	25	18:35	73.4	73.6	0
20230725T184000	2023	07	25	18:40	73.2	74.6	0
20230725T184500	2023	07	25	18:45	73.9	71.6	0
20230725T185000	2023	07	25	18:50	74.5	69.9	0
20230725T185500	2023	07	25	18:55	74.6	67.1	0
20230725T190000	2023	07	25	19:00	74.3	67.3	0
20230725T190500	2023	07	25	19:05	74.2	67.2	0
20230725T191000	2023	07	25	19:10	74.1	68.1	0
20230725T191500	2023	07	25	19:15	74.3	66.4	0
20230725T192000	2023	07	25	19:20	74	67.1	0
20230725T192500	2023	07	25	19:25	74.4	64.9	0
20230725T193000	2023	07	25	19:30	73.5	69.2	0
20230725T193500	2023	07	25	19:35	72.6	73.4	0
20230725T194000	2023	07	25	19:40	71.8	76.8	0
20230725T194500	2023	07	25	19:45	70.9	76.9	0
20230725T195000	2023	07	25	19:50	70.4	77.7	0
20230725T195500	2023	07	25	19:55	70.3	79.7	0
20230725T200000	2023	07	25	20:00	69	81.9	0
20230725T200500	2023	07	25	20:05	68.5	86	0
20230725T201000	2023	07	25	20:10	68.1	87.8	0
20230725T201500	2023	07	25	20:15	67.7	88.2	0
20230725T202000	2023	07	25	20:20	67.6	87.3	0
20230725T202500	2023	07	25	20:25	67.8	87.5	0
20230725T203000	2023	07	25	20:30	66.8	88.3	0
20230725T203500	2023	07	25	20:35	66.1	89.5	0
20230725T204000	2023	07	25	20:40	66	90.5	0
20230725T204500	2023	07	25	20:45	65.6	91.6	0
20230725T205000	2023	07	25	20:50	65.2	92.2	0
20230725T205500	2023	07	25	20:55	64.8	92.8	0
20230725T210000	2023	07	25	21:00	64.5	93.8	0
20230725T210500	2023	07	25	21:05	64.1	94.7	0
20230725T211000	2023	07	25	21:10	64.3	95.7	0
20230725T211500	2023	07	25	21:15	64.2	95.9	0
20230725T212000	2023	07	25	21:20	64.2	95.9	0
20230725T212500	2023	07	25	21:25	63.7	96.2	0
20230725T213000	2023	07	25	21:30	63.3	96.4	0
20230725T213500	2023	07	25	21:35	63	96.6	0
20230725T214000	2023	07	25	21:40	62.8	96.7	0
20230725T214500	2023	07	25	21:45	63	96.8	0
20230725T215000	2023	07	25	21:50	63.1	96.9	0
20230725T215500	2023	07	25	21:55	62.6	96.9	0
20230725T220000	2023	07	25	22:00	61.9	96.9	0
20230725T220500	2023	07	25	22:05	62.1	97.2	0
20230725T221000	2023	07	25	22:10	61.9	97.4	0
20230725T221500	2023	07	25	22:15	61.8	97.6	0
20230725T222000	2023	07	25	22:20	61.2	97.7	0
20230725T222500	2023	07	25	22:25	60.8	97.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230725T223000	2023	07	25	22:30	60.6	97.6	0
20230725T223500	2023	07	25	22:35	60.6	98	0
20230725T224000	2023	07	25	22:40	60.8	98.3	0
20230725T224500	2023	07	25	22:45	60.6	98.2	0
20230725T225000	2023	07	25	22:50	60	98	0
20230725T225500	2023	07	25	22:55	60.3	98.2	0
20230725T230000	2023	07	25	23:00	59.9	98.5	0
20230725T230500	2023	07	25	23:05	60	98.5	0
20230725T231000	2023	07	25	23:10	60.1	98.6	0
20230725T231500	2023	07	25	23:15	59.3	98.3	0
20230725T232000	2023	07	25	23:20	58.9	98.4	0
20230725T232500	2023	07	25	23:25	59.3	98.6	0
20230725T233000	2023	07	25	23:30	58.9	98.5	0
20230725T233500	2023	07	25	23:35	58.7	98.6	0
20230725T234000	2023	07	25	23:40	59.1	98.8	0
20230725T234500	2023	07	25	23:45	58.9	98.9	0
20230725T235000	2023	07	25	23:50	58.1	98.5	0
20230725T235500	2023	07	25	23:55	58.2	98.6	0
20230726T000000	2023	07	26	00:00	58.3	99.2	0
20230726T000500	2023	07	26	00:05	57.8	98.8	0
20230726T001000	2023	07	26	00:10	58	98.9	0
20230726T001500	2023	07	26	00:15	58.1	99.1	0
20230726T002000	2023	07	26	00:20	57.8	99.1	0
20230726T002500	2023	07	26	00:25	57.3	98.7	0
20230726T003000	2023	07	26	00:30	57.3	99	0
20230726T003500	2023	07	26	00:35	57.6	99.1	0
20230726T004000	2023	07	26	00:40	58.2	99.4	0
20230726T004500	2023	07	26	00:45	58.4	99.5	0
20230726T005000	2023	07	26	00:50	58.5	99.4	0
20230726T005500	2023	07	26	00:55	58.4	99.4	0
20230726T010000	2023	07	26	01:00	58.8	99.5	0
20230726T010500	2023	07	26	01:05	58.4	99.4	0
20230726T011000	2023	07	26	01:10	58.2	99.2	0
20230726T011500	2023	07	26	01:15	58.1	99.3	0
20230726T012000	2023	07	26	01:20	58.2	99.4	0
20230726T012500	2023	07	26	01:25	58	99.4	0
20230726T013000	2023	07	26	01:30	57.6	99.3	0
20230726T013500	2023	07	26	01:35	57.5	99.4	0
20230726T014000	2023	07	26	01:40	57.4	99.3	0
20230726T014500	2023	07	26	01:45	57.6	99.4	0
20230726T015000	2023	07	26	01:50	57.6	99.5	0
20230726T015500	2023	07	26	01:55	57.2	99.5	0
20230726T020000	2023	07	26	02:00	56.8	99.3	0
20230726T020500	2023	07	26	02:05	56.8	99.4	0
20230726T021000	2023	07	26	02:10	57	99.6	0
20230726T021500	2023	07	26	02:15	56.9	99.6	0
20230726T022000	2023	07	26	02:20	57.1	99.6	0
20230726T022500	2023	07	26	02:25	57.2	99.7	0
20230726T023000	2023	07	26	02:30	57.3	99.7	0
20230726T023500	2023	07	26	02:35	57.5	99.7	0
20230726T024000	2023	07	26	02:40	57.5	99.7	0
20230726T024500	2023	07	26	02:45	57	99.5	0
20230726T025000	2023	07	26	02:50	57.2	99.6	0
20230726T025500	2023	07	26	02:55	57	99.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230726T030000	2023	07	26	03:00	56.6	99.5	0
20230726T030500	2023	07	26	03:05	56.7	99.7	0
20230726T031000	2023	07	26	03:10	56.8	99.7	0
20230726T031500	2023	07	26	03:15	56.7	99.6	0
20230726T032000	2023	07	26	03:20	56.7	99.7	0
20230726T032500	2023	07	26	03:25	56.4	99.7	0
20230726T033000	2023	07	26	03:30	56.1	99.6	0
20230726T033500	2023	07	26	03:35	56	99.6	0
20230726T034000	2023	07	26	03:40	55.8	99.7	0
20230726T034500	2023	07	26	03:45	55.6	99.7	0
20230726T035000	2023	07	26	03:50	55.9	99.8	0
20230726T035500	2023	07	26	03:55	56.1	99.9	0
20230726T040000	2023	07	26	04:00	56.5	100	0
20230726T040500	2023	07	26	04:05	56.8	100	0
20230726T041000	2023	07	26	04:10	56.9	100	0
20230726T041500	2023	07	26	04:15	56.6	99.8	0
20230726T042000	2023	07	26	04:20	56	99.6	0
20230726T042500	2023	07	26	04:25	56	99.8	0
20230726T043000	2023	07	26	04:30	56.1	99.9	0
20230726T043500	2023	07	26	04:35	56.1	99.9	0
20230726T044000	2023	07	26	04:40	56	99.9	0
20230726T044500	2023	07	26	04:45	56.3	100	0
20230726T045000	2023	07	26	04:50	56.8	100	0
20230726T045500	2023	07	26	04:55	56.9	100	0
20230726T050000	2023	07	26	05:00	56.9	100	0
20230726T050500	2023	07	26	05:05	56.7	100	0
20230726T051000	2023	07	26	05:10	56.6	99.9	0
20230726T051500	2023	07	26	05:15	56.1	99.8	0
20230726T052000	2023	07	26	05:20	56	99.9	0
20230726T052500	2023	07	26	05:25	55.6	99.8	0
20230726T053000	2023	07	26	05:30	55.5	99.9	0
20230726T053500	2023	07	26	05:35	55.5	100	0
20230726T054000	2023	07	26	05:40	55.6	100	0
20230726T054500	2023	07	26	05:45	56	100	0
20230726T055000	2023	07	26	05:50	56.4	100	0
20230726T055500	2023	07	26	05:55	56.5	100	0
20230726T060000	2023	07	26	06:00	56.4	100	0
20230726T060500	2023	07	26	06:05	56.2	100	0
20230726T061000	2023	07	26	06:10	56.4	100	0
20230726T061500	2023	07	26	06:15	56.5	100	0
20230726T062000	2023	07	26	06:20	56.4	100	0
20230726T062500	2023	07	26	06:25	56.8	100	0
20230726T063000	2023	07	26	06:30	56.9	100	0
20230726T063500	2023	07	26	06:35	56.9	100	0
20230726T064000	2023	07	26	06:40	57	100	0
20230726T064500	2023	07	26	06:45	57.4	100	0
20230726T065000	2023	07	26	06:50	57.6	100	0
20230726T065500	2023	07	26	06:55	57.7	100	0
20230726T070000	2023	07	26	07:00	57.7	100	0
20230726T070500	2023	07	26	07:05	57.8	100	0
20230726T071000	2023	07	26	07:10	58	100	0
20230726T071500	2023	07	26	07:15	58.2	100	0
20230726T072000	2023	07	26	07:20	58.8	100	0
20230726T072500	2023	07	26	07:25	59.1	100	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230726T073000	2023	07	26	07:30	59.6	100	0
20230726T073500	2023	07	26	07:35	59.6	100	0
20230726T074000	2023	07	26	07:40	59.9	100	0
20230726T074500	2023	07	26	07:45	59.9	99.9	0
20230726T075000	2023	07	26	07:50	60.1	100	0
20230726T075500	2023	07	26	07:55	60.3	100	0
20230726T080000	2023	07	26	08:00	60.7	100	0
20230726T080500	2023	07	26	08:05	60.9	100	0
20230726T081000	2023	07	26	08:10	61.1	100	0
20230726T081500	2023	07	26	08:15	61.5	99.9	0
20230726T082000	2023	07	26	08:20	61.8	99.9	0
20230726T082500	2023	07	26	08:25	62.3	100	0
20230726T083000	2023	07	26	08:30	62.7	99.9	0
20230726T083500	2023	07	26	08:35	62.8	99.7	0
20230726T084000	2023	07	26	08:40	63.2	99.9	0
20230726T084500	2023	07	26	08:45	63.8	99.8	0
20230726T085000	2023	07	26	08:50	64.2	99.7	0
20230726T085500	2023	07	26	08:55	64.6	99.5	0
20230726T090000	2023	07	26	09:00	65.2	99.4	0
20230726T090500	2023	07	26	09:05	65.7	99.1	0
20230726T091000	2023	07	26	09:10	66.2	98.5	0
20230726T091500	2023	07	26	09:15	66.8	97.9	0
20230726T092000	2023	07	26	09:20	67.6	96.9	0
20230726T092500	2023	07	26	09:25	68.4	95.5	0
20230726T093000	2023	07	26	09:30	68.8	93.7	0
20230726T093500	2023	07	26	09:35	69.2	91.8	0
20230726T094000	2023	07	26	09:40	70	91.1	0
20230726T094500	2023	07	26	09:45	70.4	89.9	0
20230726T095000	2023	07	26	09:50	70.8	88.2	0
20230726T095500	2023	07	26	09:55	72.9	87.1	0
20230726T100000	2023	07	26	10:00	73.8	84.1	0
20230726T100500	2023	07	26	10:05	73.6	85.1	0
20230726T101000	2023	07	26	10:10	74.3	82.6	0
20230726T101500	2023	07	26	10:15	74.9	80.3	0
20230726T102000	2023	07	26	10:20	75.2	76.5	0
20230726T102500	2023	07	26	10:25	76.3	73.9	0
20230726T103000	2023	07	26	10:30	76.5	67	0
20230726T103500	2023	07	26	10:35	76.5	65	0
20230726T104000	2023	07	26	10:40	76.4	64.9	0
20230726T104500	2023	07	26	10:45	76.6	66.9	0
20230726T105000	2023	07	26	10:50	77.3	63.7	0
20230726T105500	2023	07	26	10:55	77.6	62.3	0
20230726T110000	2023	07	26	11:00	77.8	63	0
20230726T110500	2023	07	26	11:05	77.6	62.5	0
20230726T111000	2023	07	26	11:10	77.8	61.3	0
20230726T111500	2023	07	26	11:15	77.9	61.2	0
20230726T112000	2023	07	26	11:20	78.2	62	0
20230726T112500	2023	07	26	11:25	78.9	59.1	0
20230726T113000	2023	07	26	11:30	79.1	55.3	0
20230726T113500	2023	07	26	11:35	78.8	55.6	0
20230726T114000	2023	07	26	11:40	79.1	54.6	0
20230726T114500	2023	07	26	11:45	79.4	55.7	0
20230726T115000	2023	07	26	11:50	79.8	52.7	0
20230726T115500	2023	07	26	11:55	79.4	53.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230726T120000	2023	07	26	12:00	79.7	54.1	0
20230726T120500	2023	07	26	12:05	80.1	49.6	0
20230726T121000	2023	07	26	12:10	80.4	46.5	0
20230726T121500	2023	07	26	12:15	80.6	49.8	0
20230726T122000	2023	07	26	12:20	80.5	51.2	0
20230726T122500	2023	07	26	12:25	80.4	46.8	0
20230726T123000	2023	07	26	12:30	80.8	47	0
20230726T123500	2023	07	26	12:35	80.7	48.5	0
20230726T124000	2023	07	26	12:40	80.8	48.8	0
20230726T124500	2023	07	26	12:45	80.4	46.2	0
20230726T125000	2023	07	26	12:50	80.5	48	0
20230726T125500	2023	07	26	12:55	81	47.9	0
20230726T130000	2023	07	26	13:00	80.8	47.4	0
20230726T130500	2023	07	26	13:05	81.5	47.4	0
20230726T131000	2023	07	26	13:10	81.1	43.8	0
20230726T131500	2023	07	26	13:15	81.4	43.6	0
20230726T132000	2023	07	26	13:20	81.5	42.6	0
20230726T132500	2023	07	26	13:25	81.6	41.6	0
20230726T133000	2023	07	26	13:30	82.2	38.3	0
20230726T133500	2023	07	26	13:35	81.9	37	0
20230726T134000	2023	07	26	13:40	82.2	39.3	0
20230726T134500	2023	07	26	13:45	82.2	38.9	0
20230726T135000	2023	07	26	13:50	82	40.3	0
20230726T135500	2023	07	26	13:55	82.1	39.1	0
20230726T140000	2023	07	26	14:00	82.6	38.3	0
20230726T140500	2023	07	26	14:05	83.2	41.5	0
20230726T141000	2023	07	26	14:10	82.8	40.5	0
20230726T141500	2023	07	26	14:15	82.7	41.9	0
20230726T142000	2023	07	26	14:20	82.8	41.8	0
20230726T142500	2023	07	26	14:25	82.8	42.9	0
20230726T143000	2023	07	26	14:30	82.3	39.9	0
20230726T143500	2023	07	26	14:35	82.7	39.9	0
20230726T144000	2023	07	26	14:40	82.6	39.5	0
20230726T144500	2023	07	26	14:45	83	39.3	0
20230726T145000	2023	07	26	14:50	82.8	40.8	0
20230726T145500	2023	07	26	14:55	82.9	41	0
20230726T150000	2023	07	26	15:00	83.3	44	0
20230726T150500	2023	07	26	15:05	83	42.2	0
20230726T151000	2023	07	26	15:10	82.6	41.6	0
20230726T151500	2023	07	26	15:15	81.3	50.3	0
20230726T152000	2023	07	26	15:20	80.5	55.2	0
20230726T152500	2023	07	26	15:25	80.5	55.6	0
20230726T153000	2023	07	26	15:30	80.8	54.5	0
20230726T153500	2023	07	26	15:35	81	52.4	0
20230726T154000	2023	07	26	15:40	80.9	53.3	0
20230726T154500	2023	07	26	15:45	80.5	53.3	0
20230726T155000	2023	07	26	15:50	80.7	52.7	0
20230726T155500	2023	07	26	15:55	81.3	53.3	0
20230726T160000	2023	07	26	16:00	81.6	52	0
20230726T160500	2023	07	26	16:05	81.7	51	0
20230726T161000	2023	07	26	16:10	82.5	48.5	0
20230726T161500	2023	07	26	16:15	82.5	48.7	0
20230726T162000	2023	07	26	16:20	82.9	49.7	0
20230726T162500	2023	07	26	16:25	82.6	48	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230726T163000	2023	07	26	16:30	82.8	49	0
20230726T163500	2023	07	26	16:35	82.3	49.9	0
20230726T164000	2023	07	26	16:40	82.7	50.1	0
20230726T164500	2023	07	26	16:45	82.7	48.1	0
20230726T165000	2023	07	26	16:50	82.5	48.3	0
20230726T165500	2023	07	26	16:55	82.5	48.8	0
20230726T170000	2023	07	26	17:00	82.6	48.1	0
20230726T170500	2023	07	26	17:05	81.9	45.9	0
20230726T171000	2023	07	26	17:10	82.2	45	0
20230726T171500	2023	07	26	17:15	82.7	44.8	0
20230726T172000	2023	07	26	17:20	82.3	45	0
20230726T172500	2023	07	26	17:25	82.4	45.8	0
20230726T173000	2023	07	26	17:30	81.8	46.2	0
20230726T173500	2023	07	26	17:35	80.5	47.8	0
20230726T174000	2023	07	26	17:40	80.6	49.4	0
20230726T174500	2023	07	26	17:45	81.2	48.2	0
20230726T175000	2023	07	26	17:50	81.4	45.9	0
20230726T175500	2023	07	26	17:55	81.4	45.4	0
20230726T180000	2023	07	26	18:00	81.1	46.8	0
20230726T180500	2023	07	26	18:05	80.9	46.2	0
20230726T181000	2023	07	26	18:10	81	45.2	0
20230726T181500	2023	07	26	18:15	80.8	47.2	0
20230726T182000	2023	07	26	18:20	80.6	49.3	0
20230726T182500	2023	07	26	18:25	80.5	48.9	0
20230726T183000	2023	07	26	18:30	80.1	50.1	0
20230726T183500	2023	07	26	18:35	80.1	51.4	0
20230726T184000	2023	07	26	18:40	80.2	52.7	0
20230726T184500	2023	07	26	18:45	80.2	52.9	0
20230726T185000	2023	07	26	18:50	80	53.5	0
20230726T185500	2023	07	26	18:55	79.8	53.7	0
20230726T190000	2023	07	26	19:00	79.2	55.4	0
20230726T190500	2023	07	26	19:05	78.7	57.1	0
20230726T191000	2023	07	26	19:10	78.8	56.9	0
20230726T191500	2023	07	26	19:15	78.3	58.3	0
20230726T192000	2023	07	26	19:20	78	58.9	0
20230726T192500	2023	07	26	19:25	77.5	60.5	0
20230726T193000	2023	07	26	19:30	77.2	61.3	0
20230726T193500	2023	07	26	19:35	77.3	61.2	0
20230726T194000	2023	07	26	19:40	76.8	61.7	0
20230726T194500	2023	07	26	19:45	76.3	63.4	0
20230726T195000	2023	07	26	19:50	75.6	65	0
20230726T195500	2023	07	26	19:55	75	67.1	0
20230726T200000	2023	07	26	20:00	74.6	67.7	0
20230726T200500	2023	07	26	20:05	73.6	69.9	0
20230726T201000	2023	07	26	20:10	72.9	72.8	0
20230726T201500	2023	07	26	20:15	72.5	72.7	0
20230726T202000	2023	07	26	20:20	71.5	75.6	0
20230726T202500	2023	07	26	20:25	71.2	78	0
20230726T203000	2023	07	26	20:30	70.6	80.2	0
20230726T203500	2023	07	26	20:35	70.2	80.6	0
20230726T204000	2023	07	26	20:40	70.2	80.1	0
20230726T204500	2023	07	26	20:45	69.6	81.1	0
20230726T205000	2023	07	26	20:50	69.1	82.1	0
20230726T205500	2023	07	26	20:55	69.4	81.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230726T210000	2023	07	26	21:00	68.9	82.8	0
20230726T210500	2023	07	26	21:05	69.2	81.6	0
20230726T211000	2023	07	26	21:10	69.5	79.7	0
20230726T211500	2023	07	26	21:15	69.8	79	0
20230726T212000	2023	07	26	21:20	69.5	78.9	0
20230726T212500	2023	07	26	21:25	69.8	78.4	0
20230726T213000	2023	07	26	21:30	69.4	79.2	0
20230726T213500	2023	07	26	21:35	69.5	78.7	0
20230726T214000	2023	07	26	21:40	70	77.4	0
20230726T214500	2023	07	26	21:45	70.1	75.9	0
20230726T215000	2023	07	26	21:50	69.7	76.8	0
20230726T215500	2023	07	26	21:55	69.3	78.1	0
20230726T220000	2023	07	26	22:00	69.5	77.8	0
20230726T220500	2023	07	26	22:05	69.7	78.1	0
20230726T221000	2023	07	26	22:10	70.3	77.6	0
20230726T221500	2023	07	26	22:15	70	77.2	0
20230726T222000	2023	07	26	22:20	70.8	76.1	0
20230726T222500	2023	07	26	22:25	70.2	75.3	0
20230726T223000	2023	07	26	22:30	69.9	76.8	0
20230726T223500	2023	07	26	22:35	70.7	75.6	0
20230726T224000	2023	07	26	22:40	70.5	75.3	0
20230726T224500	2023	07	26	22:45	69.7	76.3	0
20230726T225000	2023	07	26	22:50	69	78.2	0
20230726T225500	2023	07	26	22:55	69	79.2	0
20230726T230000	2023	07	26	23:00	69.1	78.4	0
20230726T230500	2023	07	26	23:05	68.7	78.9	0
20230726T231000	2023	07	26	23:10	68.3	80.2	0
20230726T231500	2023	07	26	23:15	68.1	80.7	0
20230726T232000	2023	07	26	23:20	68.1	81.2	0
20230726T232500	2023	07	26	23:25	68.1	81.4	0
20230726T233000	2023	07	26	23:30	68.5	81.5	0
20230726T233500	2023	07	26	23:35	68.5	81.3	0
20230726T234000	2023	07	26	23:40	68.3	81.7	0
20230726T234500	2023	07	26	23:45	68.2	82.1	0
20230726T235000	2023	07	26	23:50	68.2	82.6	0
20230726T235500	2023	07	26	23:55	68.1	83.2	0
20230727T000000	2023	07	27	00:00	68	83.5	0
20230727T000500	2023	07	27	00:05	68.1	83.9	0
20230727T001000	2023	07	27	00:10	68	84.1	0
20230727T001500	2023	07	27	00:15	68.2	83.9	0
20230727T002000	2023	07	27	00:20	68.4	83.5	0
20230727T002500	2023	07	27	00:25	68.3	83.6	0
20230727T003000	2023	07	27	00:30	68.4	84	0
20230727T003500	2023	07	27	00:35	68.6	83.8	0
20230727T004000	2023	07	27	00:40	68.6	83.6	0
20230727T004500	2023	07	27	00:45	69.2	83.6	0
20230727T005000	2023	07	27	00:50	69.3	82.6	0
20230727T005500	2023	07	27	00:55	69.6	82.2	0
20230727T010000	2023	07	27	01:00	69.6	82.2	0
20230727T010500	2023	07	27	01:05	69.7	82.5	0
20230727T011000	2023	07	27	01:10	70.9	81.2	0
20230727T011500	2023	07	27	01:15	71.7	78.7	0
20230727T012000	2023	07	27	01:20	72	77.5	0
20230727T012500	2023	07	27	01:25	72.3	77.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230727T013000	2023	07	27	01:30	72.4	76.8	0
20230727T013500	2023	07	27	01:35	72.4	76.7	0
20230727T014000	2023	07	27	01:40	72.5	76.5	0
20230727T014500	2023	07	27	01:45	72.5	76.5	0
20230727T015000	2023	07	27	01:50	72.5	76.7	0
20230727T015500	2023	07	27	01:55	72.6	76.5	0
20230727T020000	2023	07	27	02:00	72.4	76.9	0
20230727T020500	2023	07	27	02:05	72.6	76.7	0
20230727T021000	2023	07	27	02:10	72.6	76.7	0
20230727T021500	2023	07	27	02:15	72.6	76.8	0
20230727T022000	2023	07	27	02:20	72.3	77.1	0
20230727T022500	2023	07	27	02:25	72.9	76.5	0
20230727T023000	2023	07	27	02:30	73.2	75.3	0
20230727T023500	2023	07	27	02:35	73.3	75.1	0
20230727T024000	2023	07	27	02:40	73.1	75.4	0
20230727T024500	2023	07	27	02:45	73.2	76	0
20230727T025000	2023	07	27	02:50	72.9	76.4	0
20230727T025500	2023	07	27	02:55	73	76.3	0
20230727T030000	2023	07	27	03:00	73	76.5	0
20230727T030500	2023	07	27	03:05	73.2	76.4	0
20230727T031000	2023	07	27	03:10	73.1	76.7	0
20230727T031500	2023	07	27	03:15	73.1	76.9	0
20230727T032000	2023	07	27	03:20	72.9	78	0
20230727T032500	2023	07	27	03:25	72.6	79.1	0
20230727T033000	2023	07	27	03:30	72.6	79.8	0
20230727T033500	2023	07	27	03:35	72.5	79.8	0
20230727T034000	2023	07	27	03:40	72.6	79.1	0
20230727T034500	2023	07	27	03:45	72.7	79.1	0
20230727T035000	2023	07	27	03:50	72.7	78.8	0
20230727T035500	2023	07	27	03:55	72.6	79.2	0
20230727T040000	2023	07	27	04:00	72.7	79.1	0
20230727T040500	2023	07	27	04:05	72.7	79.3	0
20230727T041000	2023	07	27	04:10	72.6	79.6	0
20230727T041500	2023	07	27	04:15	72.6	79.9	0
20230727T042000	2023	07	27	04:20	72.6	80	0
20230727T042500	2023	07	27	04:25	72.6	80	0
20230727T043000	2023	07	27	04:30	72.7	80	0
20230727T043500	2023	07	27	04:35	72.6	80.3	0
20230727T044000	2023	07	27	04:40	72.4	80.6	0
20230727T044500	2023	07	27	04:45	72.4	80.7	0
20230727T045000	2023	07	27	04:50	72.5	80.7	0
20230727T045500	2023	07	27	04:55	72.5	80.5	0
20230727T050000	2023	07	27	05:00	72.4	80.5	0
20230727T050500	2023	07	27	05:05	72.3	80.8	0
20230727T051000	2023	07	27	05:10	72.1	80.9	0
20230727T051500	2023	07	27	05:15	72.1	80.9	0
20230727T052000	2023	07	27	05:20	71.8	81.5	0
20230727T052500	2023	07	27	05:25	72.1	81.6	0
20230727T053000	2023	07	27	05:30	72	81.3	0
20230727T053500	2023	07	27	05:35	71.8	82.1	0
20230727T054000	2023	07	27	05:40	71.8	82.3	0
20230727T054500	2023	07	27	05:45	72	82.2	0
20230727T055000	2023	07	27	05:50	72.2	81.4	0
20230727T055500	2023	07	27	05:55	72.2	81.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230727T060000	2023	07	27	06:00	72.2	81.6	0
20230727T060500	2023	07	27	06:05	72.4	80.9	0
20230727T061000	2023	07	27	06:10	72.7	80.6	0
20230727T061500	2023	07	27	06:15	72.9	80.6	0
20230727T062000	2023	07	27	06:20	73.3	80.6	0
20230727T062500	2023	07	27	06:25	73.4	80.8	0
20230727T063000	2023	07	27	06:30	73.6	81	0
20230727T063500	2023	07	27	06:35	73.4	81.5	0
20230727T064000	2023	07	27	06:40	73.5	81.9	0
20230727T064500	2023	07	27	06:45	73.5	81.8	0
20230727T065000	2023	07	27	06:50	73.4	82	0
20230727T065500	2023	07	27	06:55	72.9	83.8	0.004
20230727T070000	2023	07	27	07:00	72.3	86.1	0.009
20230727T070500	2023	07	27	07:05	71.9	87.3	0.009
20230727T071000	2023	07	27	07:10	71.7	88.3	0.002
20230727T071500	2023	07	27	07:15	71.6	88.9	0
20230727T072000	2023	07	27	07:20	71.6	88.6	0
20230727T072500	2023	07	27	07:25	71.7	88.7	0
20230727T073000	2023	07	27	07:30	71.5	89.1	0.004
20230727T073500	2023	07	27	07:35	71.3	90.1	0.006
20230727T074000	2023	07	27	07:40	71.1	90.9	0.005
20230727T074500	2023	07	27	07:45	71.1	91.1	0
20230727T075000	2023	07	27	07:50	71.3	90.7	0
20230727T075500	2023	07	27	07:55	71.6	89.1	0
20230727T080000	2023	07	27	08:00	71.7	88.4	0
20230727T080500	2023	07	27	08:05	71.8	88.9	0
20230727T081000	2023	07	27	08:10	72	88.3	0
20230727T081500	2023	07	27	08:15	72.2	86.8	0
20230727T082000	2023	07	27	08:20	72.1	86.5	0
20230727T082500	2023	07	27	08:25	71.9	86.7	0
20230727T083000	2023	07	27	08:30	71.8	87.4	0
20230727T083500	2023	07	27	08:35	71.8	87.7	0
20230727T084000	2023	07	27	08:40	71.9	87.6	0
20230727T084500	2023	07	27	08:45	72.1	87.3	0
20230727T085000	2023	07	27	08:50	72.1	87.4	0
20230727T085500	2023	07	27	08:55	71.9	87.4	0
20230727T090000	2023	07	27	09:00	71.8	87.6	0
20230727T090500	2023	07	27	09:05	71.8	87.5	0
20230727T091000	2023	07	27	09:10	72.1	87.3	0
20230727T091500	2023	07	27	09:15	72.4	86.8	0
20230727T092000	2023	07	27	09:20	72.7	85.8	0
20230727T092500	2023	07	27	09:25	73	85.2	0
20230727T093000	2023	07	27	09:30	74	84.5	0
20230727T093500	2023	07	27	09:35	74	83.1	0
20230727T094000	2023	07	27	09:40	74.1	83.2	0
20230727T094500	2023	07	27	09:45	74.4	82.4	0
20230727T095000	2023	07	27	09:50	74.2	81.9	0
20230727T095500	2023	07	27	09:55	74	82.2	0
20230727T100000	2023	07	27	10:00	74.3	82.5	0
20230727T100500	2023	07	27	10:05	74.4	81.5	0
20230727T101000	2023	07	27	10:10	74.3	81.9	0
20230727T101500	2023	07	27	10:15	74.3	81.7	0
20230727T102000	2023	07	27	10:20	74.4	81.2	0
20230727T102500	2023	07	27	10:25	74.6	80.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230727T103000	2023	07	27	10:30	74.8	79.9	0
20230727T103500	2023	07	27	10:35	74.8	79.6	0
20230727T104000	2023	07	27	10:40	75.2	79.8	0
20230727T104500	2023	07	27	10:45	75.1	78.4	0
20230727T105000	2023	07	27	10:50	74.9	78.8	0
20230727T105500	2023	07	27	10:55	75	79	0
20230727T110000	2023	07	27	11:00	75.1	78.6	0
20230727T110500	2023	07	27	11:05	75.2	78.9	0
20230727T111000	2023	07	27	11:10	75.5	79	0
20230727T111500	2023	07	27	11:15	76.4	77.9	0
20230727T112000	2023	07	27	11:20	77.2	76.3	0
20230727T112500	2023	07	27	11:25	77.9	74.5	0
20230727T113000	2023	07	27	11:30	77.8	73.7	0
20230727T113500	2023	07	27	11:35	77.7	73.6	0
20230727T114000	2023	07	27	11:40	77.6	73.2	0
20230727T114500	2023	07	27	11:45	77.6	74.2	0
20230727T115000	2023	07	27	11:50	77.8	72.9	0
20230727T115500	2023	07	27	11:55	77.9	73.6	0
20230727T120000	2023	07	27	12:00	78.2	72.6	0
20230727T120500	2023	07	27	12:05	77.5	72.9	0
20230727T121000	2023	07	27	12:10	77.5	73.5	0
20230727T121500	2023	07	27	12:15	77.6	74.2	0
20230727T122000	2023	07	27	12:20	77.4	73.3	0
20230727T122500	2023	07	27	12:25	77.6	73.4	0
20230727T123000	2023	07	27	12:30	77.6	72.5	0
20230727T123500	2023	07	27	12:35	77.3	73	0
20230727T124000	2023	07	27	12:40	77.5	73	0
20230727T124500	2023	07	27	12:45	77.7	72.9	0
20230727T125000	2023	07	27	12:50	79	72.1	0
20230727T125500	2023	07	27	12:55	79	71.5	0
20230727T130000	2023	07	27	13:00	79.4	69.5	0
20230727T130500	2023	07	27	13:05	80.2	69.2	0
20230727T131000	2023	07	27	13:10	81.1	67.9	0
20230727T131500	2023	07	27	13:15	80.8	66.7	0
20230727T132000	2023	07	27	13:20	81.1	67.2	0
20230727T132500	2023	07	27	13:25	82.3	65.7	0
20230727T133000	2023	07	27	13:30	81.9	65.2	0
20230727T133500	2023	07	27	13:35	81.1	64.3	0
20230727T134000	2023	07	27	13:40	80.4	65.5	0
20230727T134500	2023	07	27	13:45	79.7	67	0
20230727T135000	2023	07	27	13:50	79	68.5	0
20230727T135500	2023	07	27	13:55	77.2	76.3	0
20230727T140000	2023	07	27	14:00	76.7	77.7	0
20230727T140500	2023	07	27	14:05	76.8	79.9	0
20230727T141000	2023	07	27	14:10	77.2	79	0
20230727T141500	2023	07	27	14:15	77	79.3	0
20230727T142000	2023	07	27	14:20	78.5	78.5	0
20230727T142500	2023	07	27	14:25	78.6	74.9	0
20230727T143000	2023	07	27	14:30	78.4	73.8	0
20230727T143500	2023	07	27	14:35	78.5	74.5	0
20230727T144000	2023	07	27	14:40	78.2	76.4	0
20230727T144500	2023	07	27	14:45	78	76.2	0
20230727T145000	2023	07	27	14:50	77.7	78	0
20230727T145500	2023	07	27	14:55	79.3	77	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230727T150000	2023	07	27	15:00	79.4	76.2	0
20230727T150500	2023	07	27	15:05	79	77.4	0
20230727T151000	2023	07	27	15:10	78.5	79	0
20230727T151500	2023	07	27	15:15	78.1	77.9	0
20230727T152000	2023	07	27	15:20	77.4	78.6	0
20230727T152500	2023	07	27	15:25	77	79.7	0
20230727T153000	2023	07	27	15:30	77.2	80.1	0
20230727T153500	2023	07	27	15:35	77.6	80	0
20230727T154000	2023	07	27	15:40	77.2	80	0
20230727T154500	2023	07	27	15:45	77.1	80	0
20230727T155000	2023	07	27	15:50	77.1	80.9	0
20230727T155500	2023	07	27	15:55	76.8	81.5	0
20230727T160000	2023	07	27	16:00	76.7	81.2	0
20230727T160500	2023	07	27	16:05	76	81.6	0
20230727T161000	2023	07	27	16:10	75.7	83.2	0
20230727T161500	2023	07	27	16:15	75.5	82.9	0
20230727T162000	2023	07	27	16:20	75.5	83.5	0
20230727T162500	2023	07	27	16:25	76.1	83.6	0
20230727T163000	2023	07	27	16:30	76.4	81.1	0
20230727T163500	2023	07	27	16:35	75.6	83.2	0
20230727T164000	2023	07	27	16:40	73.9	88.6	0.007
20230727T164500	2023	07	27	16:45	73.6	91	0.001
20230727T165000	2023	07	27	16:50	73.5	92.6	0
20230727T165500	2023	07	27	16:55	73.4	93.3	0
20230727T170000	2023	07	27	17:00	73.3	94	0
20230727T170500	2023	07	27	17:05	73.2	94.2	0.055
20230727T171000	2023	07	27	17:10	73.1	94.2	0.011
20230727T171500	2023	07	27	17:15	73	94.7	0.03
20230727T172000	2023	07	27	17:20	73	95.2	0.019
20230727T172500	2023	07	27	17:25	73.2	95	0.003
20230727T173000	2023	07	27	17:30	73.8	93.5	0
20230727T173500	2023	07	27	17:35	74.1	91	0
20230727T174000	2023	07	27	17:40	74.3	91.1	0
20230727T174500	2023	07	27	17:45	74.5	90.5	0
20230727T175000	2023	07	27	17:50	74.4	89.9	0
20230727T175500	2023	07	27	17:55	74.1	89.2	0
20230727T180000	2023	07	27	18:00	73.9	89.3	0
20230727T180500	2023	07	27	18:05	73.8	89.6	0
20230727T181000	2023	07	27	18:10	73.9	90.1	0
20230727T181500	2023	07	27	18:15	73.9	90	0
20230727T182000	2023	07	27	18:20	73.9	89.3	0
20230727T182500	2023	07	27	18:25	73.7	88.5	0
20230727T183000	2023	07	27	18:30	73.5	88.3	0
20230727T183500	2023	07	27	18:35	73.5	87.8	0
20230727T184000	2023	07	27	18:40	73.9	87.4	0
20230727T184500	2023	07	27	18:45	73.8	87.1	0
20230727T185000	2023	07	27	18:50	74.2	87.2	0
20230727T185500	2023	07	27	18:55	74.7	85.2	0
20230727T190000	2023	07	27	19:00	74.8	84.8	0
20230727T190500	2023	07	27	19:05	74.1	85.8	0
20230727T191000	2023	07	27	19:10	74.1	86.4	0
20230727T191500	2023	07	27	19:15	74.1	85.6	0
20230727T192000	2023	07	27	19:20	73.8	86.3	0
20230727T192500	2023	07	27	19:25	73.4	86.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230727T193000	2023	07	27	19:30	73.4	86.9	0
20230727T193500	2023	07	27	19:35	73.1	88.6	0
20230727T194000	2023	07	27	19:40	72.8	91	0
20230727T194500	2023	07	27	19:45	72.8	91.7	0
20230727T195000	2023	07	27	19:50	72.6	91.9	0
20230727T195500	2023	07	27	19:55	72.5	92.4	0
20230727T200000	2023	07	27	20:00	72.3	93.1	0
20230727T200500	2023	07	27	20:05	72.5	91.2	0
20230727T201000	2023	07	27	20:10	72.4	90.4	0
20230727T201500	2023	07	27	20:15	72	92.4	0
20230727T202000	2023	07	27	20:20	71.9	93.1	0
20230727T202500	2023	07	27	20:25	71.8	93.1	0
20230727T203000	2023	07	27	20:30	71.7	93.1	0
20230727T203500	2023	07	27	20:35	71.4	93.6	0
20230727T204000	2023	07	27	20:40	71.1	94.8	0
20230727T204500	2023	07	27	20:45	70.6	95.2	0
20230727T205000	2023	07	27	20:50	70.9	95.1	0
20230727T205500	2023	07	27	20:55	70.6	95.4	0
20230727T210000	2023	07	27	21:00	70.2	95.9	0
20230727T210500	2023	07	27	21:05	70	96.1	0
20230727T211000	2023	07	27	21:10	70	96.3	0
20230727T211500	2023	07	27	21:15	70.1	96.1	0
20230727T212000	2023	07	27	21:20	69.9	95.9	0
20230727T212500	2023	07	27	21:25	69.8	95.7	0
20230727T213000	2023	07	27	21:30	69.8	95.7	0
20230727T213500	2023	07	27	21:35	69.9	95.4	0
20230727T214000	2023	07	27	21:40	70.2	94.9	0
20230727T214500	2023	07	27	21:45	69.9	94.5	0
20230727T215000	2023	07	27	21:50	69.8	94.5	0
20230727T215500	2023	07	27	21:55	69	94.3	0
20230727T220000	2023	07	27	22:00	68.6	95.1	0
20230727T220500	2023	07	27	22:05	68.8	96.2	0
20230727T221000	2023	07	27	22:10	68.6	97	0
20230727T221500	2023	07	27	22:15	68.3	97.2	0
20230727T222000	2023	07	27	22:20	67.9	97.2	0
20230727T222500	2023	07	27	22:25	67.5	97.3	0
20230727T223000	2023	07	27	22:30	67.4	97.4	0
20230727T223500	2023	07	27	22:35	67.3	97.8	0
20230727T224000	2023	07	27	22:40	67.1	97.8	0
20230727T224500	2023	07	27	22:45	67.3	98.1	0
20230727T225000	2023	07	27	22:50	67.3	98.3	0
20230727T225500	2023	07	27	22:55	67.2	98.3	0
20230727T230000	2023	07	27	23:00	67.2	98.4	0
20230727T230500	2023	07	27	23:05	67.4	98.7	0
20230727T231000	2023	07	27	23:10	67.6	98.9	0
20230727T231500	2023	07	27	23:15	67.8	98.9	0
20230727T232000	2023	07	27	23:20	67.8	98.9	0
20230727T232500	2023	07	27	23:25	67.5	98.9	0
20230727T233000	2023	07	27	23:30	67.1	98.8	0
20230727T233500	2023	07	27	23:35	67.4	99.1	0
20230727T234000	2023	07	27	23:40	67.5	99.1	0
20230727T234500	2023	07	27	23:45	67.6	99.2	0
20230727T235000	2023	07	27	23:50	67.8	99.2	0
20230727T235500	2023	07	27	23:55	67.8	99.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230728T000000	2023	07	28	00:00	67.6	99.1	0
20230728T000500	2023	07	28	00:05	67.7	99.2	0
20230728T001000	2023	07	28	00:10	67.8	99.3	0
20230728T001500	2023	07	28	00:15	67.9	99.3	0
20230728T002000	2023	07	28	00:20	67.9	99.3	0
20230728T002500	2023	07	28	00:25	68	99.3	0
20230728T003000	2023	07	28	00:30	68.1	99.4	0
20230728T003500	2023	07	28	00:35	68.1	99.3	0
20230728T004000	2023	07	28	00:40	68	99.3	0
20230728T004500	2023	07	28	00:45	67.8	99.2	0
20230728T005000	2023	07	28	00:50	67.4	99.2	0
20230728T005500	2023	07	28	00:55	66.7	99	0
20230728T010000	2023	07	28	01:00	66.4	99.1	0
20230728T010500	2023	07	28	01:05	66.3	99.2	0
20230728T011000	2023	07	28	01:10	65.8	99.1	0
20230728T011500	2023	07	28	01:15	65.1	99	0
20230728T012000	2023	07	28	01:20	65.2	99.2	0
20230728T012500	2023	07	28	01:25	65.2	99.3	0
20230728T013000	2023	07	28	01:30	65.2	99.3	0
20230728T013500	2023	07	28	01:35	64.5	99.1	0
20230728T014000	2023	07	28	01:40	65	99.6	0
20230728T014500	2023	07	28	01:45	64.9	99.4	0
20230728T015000	2023	07	28	01:50	64.4	99.2	0
20230728T015500	2023	07	28	01:55	63.8	99.2	0
20230728T020000	2023	07	28	02:00	64.3	99.5	0
20230728T020500	2023	07	28	02:05	64.5	99.6	0
20230728T021000	2023	07	28	02:10	64.4	99.5	0
20230728T021500	2023	07	28	02:15	64	99.4	0
20230728T022000	2023	07	28	02:20	64.1	99.6	0
20230728T022500	2023	07	28	02:25	64.3	99.6	0
20230728T023000	2023	07	28	02:30	64.4	99.7	0
20230728T023500	2023	07	28	02:35	64.5	99.7	0
20230728T024000	2023	07	28	02:40	64.5	99.7	0
20230728T024500	2023	07	28	02:45	64.6	99.8	0
20230728T025000	2023	07	28	02:50	64.7	99.8	0
20230728T025500	2023	07	28	02:55	64.6	99.7	0
20230728T030000	2023	07	28	03:00	67	100	0
20230728T030500	2023	07	28	03:05	67.2	100	0
20230728T031000	2023	07	28	03:10	68.2	100	0
20230728T031500	2023	07	28	03:15	68.5	99.9	0
20230728T032000	2023	07	28	03:20	68.5	99.6	0
20230728T032500	2023	07	28	03:25	68.6	99.4	0
20230728T033000	2023	07	28	03:30	68.8	99.3	0
20230728T033500	2023	07	28	03:35	69.1	99.1	0
20230728T034000	2023	07	28	03:40	69.2	98.5	0
20230728T034500	2023	07	28	03:45	69.2	97.6	0
20230728T035000	2023	07	28	03:50	68.9	96.5	0
20230728T035500	2023	07	28	03:55	68.8	96	0
20230728T040000	2023	07	28	04:00	68.8	95.7	0
20230728T040500	2023	07	28	04:05	68.8	95.5	0
20230728T041000	2023	07	28	04:10	68.6	95.3	0
20230728T041500	2023	07	28	04:15	68.4	95.2	0
20230728T042000	2023	07	28	04:20	68.7	95.8	0
20230728T042500	2023	07	28	04:25	68.8	95.6	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230728T043000	2023	07	28	04:30	68.9	95.3	0
20230728T043500	2023	07	28	04:35	68.9	95	0
20230728T044000	2023	07	28	04:40	69	94.9	0
20230728T044500	2023	07	28	04:45	68.6	94.7	0
20230728T045000	2023	07	28	04:50	68.2	95.2	0
20230728T045500	2023	07	28	04:55	67.9	95.9	0
20230728T050000	2023	07	28	05:00	67.6	96.3	0
20230728T050500	2023	07	28	05:05	67.3	96.8	0
20230728T051000	2023	07	28	05:10	67.2	97.1	0
20230728T051500	2023	07	28	05:15	67.2	97.5	0
20230728T052000	2023	07	28	05:20	67.2	97.8	0
20230728T052500	2023	07	28	05:25	67.1	97.9	0
20230728T053000	2023	07	28	05:30	67.2	98.1	0
20230728T053500	2023	07	28	05:35	67.3	98.2	0
20230728T054000	2023	07	28	05:40	67.4	98.4	0
20230728T054500	2023	07	28	05:45	67.2	98.4	0
20230728T055000	2023	07	28	05:50	67.3	98.5	0
20230728T055500	2023	07	28	05:55	67.3	98.6	0
20230728T060000	2023	07	28	06:00	67.4	98.7	0
20230728T060500	2023	07	28	06:05	67.4	98.7	0
20230728T061000	2023	07	28	06:10	67.6	98.8	0
20230728T061500	2023	07	28	06:15	67.6	98.8	0
20230728T062000	2023	07	28	06:20	67.9	98.9	0
20230728T062500	2023	07	28	06:25	68	98.9	0
20230728T063000	2023	07	28	06:30	68	98.9	0
20230728T063500	2023	07	28	06:35	68.2	98.9	0
20230728T064000	2023	07	28	06:40	68.2	99	0
20230728T064500	2023	07	28	06:45	68.3	99	0
20230728T065000	2023	07	28	06:50	68.3	99	0
20230728T065500	2023	07	28	06:55	68.4	98.9	0
20230728T070000	2023	07	28	07:00	68.3	98.9	0
20230728T070500	2023	07	28	07:05	68.3	98.9	0
20230728T071000	2023	07	28	07:10	68.3	98.9	0
20230728T071500	2023	07	28	07:15	68.5	99	0
20230728T072000	2023	07	28	07:20	68.8	99	0
20230728T072500	2023	07	28	07:25	69.1	99	0
20230728T073000	2023	07	28	07:30	69.2	98.8	0
20230728T073500	2023	07	28	07:35	69.8	98.6	0
20230728T074000	2023	07	28	07:40	70.5	97.3	0
20230728T074500	2023	07	28	07:45	70.7	95.4	0
20230728T075000	2023	07	28	07:50	70.9	93.7	0
20230728T075500	2023	07	28	07:55	71	92.7	0
20230728T080000	2023	07	28	08:00	71	91.4	0
20230728T080500	2023	07	28	08:05	71.2	90.7	0
20230728T081000	2023	07	28	08:10	71.3	90.5	0
20230728T081500	2023	07	28	08:15	71.5	90.1	0
20230728T082000	2023	07	28	08:20	71.6	89.2	0
20230728T082500	2023	07	28	08:25	71.9	88.1	0
20230728T083000	2023	07	28	08:30	72	87.8	0
20230728T083500	2023	07	28	08:35	71.9	87.2	0
20230728T084000	2023	07	28	08:40	72	86.7	0
20230728T084500	2023	07	28	08:45	72.6	85.7	0
20230728T085000	2023	07	28	08:50	73.2	85.3	0
20230728T085500	2023	07	28	08:55	73.3	81	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230728T090000	2023	07	28	09:00	74.2	81.7	0
20230728T090500	2023	07	28	09:05	74.2	81.4	0
20230728T091000	2023	07	28	09:10	74.2	79.8	0
20230728T091500	2023	07	28	09:15	74.6	78.6	0
20230728T092000	2023	07	28	09:20	74.4	79.2	0
20230728T092500	2023	07	28	09:25	74.1	80.2	0
20230728T093000	2023	07	28	09:30	74.7	80.1	0
20230728T093500	2023	07	28	09:35	74.6	80.7	0
20230728T094000	2023	07	28	09:40	75.3	80.5	0
20230728T094500	2023	07	28	09:45	75.2	78.8	0
20230728T095000	2023	07	28	09:50	75.7	78	0
20230728T095500	2023	07	28	09:55	75.3	78.2	0
20230728T100000	2023	07	28	10:00	76.4	77.6	0
20230728T100500	2023	07	28	10:05	76.2	75.8	0
20230728T101000	2023	07	28	10:10	76.4	76.2	0
20230728T101500	2023	07	28	10:15	76.7	74.1	0
20230728T102000	2023	07	28	10:20	77.2	73.4	0
20230728T102500	2023	07	28	10:25	76.5	73	0
20230728T103000	2023	07	28	10:30	76.5	72.9	0
20230728T103500	2023	07	28	10:35	77.2	71.5	0
20230728T104000	2023	07	28	10:40	77.5	71.5	0
20230728T104500	2023	07	28	10:45	78.2	71.7	0
20230728T105000	2023	07	28	10:50	77.9	69.4	0
20230728T105500	2023	07	28	10:55	78.7	68.3	0
20230728T110000	2023	07	28	11:00	78.4	67.8	0
20230728T110500	2023	07	28	11:05	77.9	69.4	0
20230728T111000	2023	07	28	11:10	78	70	0
20230728T111500	2023	07	28	11:15	78.6	67.6	0
20230728T112000	2023	07	28	11:20	78.5	67.1	0
20230728T112500	2023	07	28	11:25	78.6	68.6	0
20230728T113000	2023	07	28	11:30	78.6	66.8	0
20230728T113500	2023	07	28	11:35	79.3	66.6	0
20230728T114000	2023	07	28	11:40	79.7	65.5	0
20230728T114500	2023	07	28	11:45	79.2	65.1	0
20230728T115000	2023	07	28	11:50	79.8	62.8	0
20230728T115500	2023	07	28	11:55	80.2	64.6	0
20230728T120000	2023	07	28	12:00	80.3	62.7	0
20230728T120500	2023	07	28	12:05	80.2	64.9	0
20230728T121000	2023	07	28	12:10	80.2	64.6	0
20230728T121500	2023	07	28	12:15	80.2	62.5	0
20230728T122000	2023	07	28	12:20	80.5	62.7	0
20230728T122500	2023	07	28	12:25	80.8	62.3	0
20230728T123000	2023	07	28	12:30	81.3	62.1	0
20230728T123500	2023	07	28	12:35	81.2	60.3	0
20230728T124000	2023	07	28	12:40	81.7	60.7	0
20230728T124500	2023	07	28	12:45	81.3	58.1	0
20230728T125000	2023	07	28	12:50	81.3	59.5	0
20230728T125500	2023	07	28	12:55	81.7	60.6	0
20230728T130000	2023	07	28	13:00	81.8	60.6	0
20230728T130500	2023	07	28	13:05	82	59.8	0
20230728T131000	2023	07	28	13:10	82.3	61.2	0
20230728T131500	2023	07	28	13:15	82.7	61.2	0
20230728T132000	2023	07	28	13:20	82	58.7	0
20230728T132500	2023	07	28	13:25	83.1	58.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230728T133000	2023	07	28	13:30	83.2	57.1	0
20230728T133500	2023	07	28	13:35	82.7	55.7	0
20230728T134000	2023	07	28	13:40	82.1	55.6	0
20230728T134500	2023	07	28	13:45	82.9	56.4	0
20230728T135000	2023	07	28	13:50	83.3	55.2	0
20230728T135500	2023	07	28	13:55	82.8	54.8	0
20230728T140000	2023	07	28	14:00	83.4	56.9	0
20230728T140500	2023	07	28	14:05	83.9	56.2	0
20230728T141000	2023	07	28	14:10	83.7	55.9	0
20230728T141500	2023	07	28	14:15	82.6	55.4	0
20230728T142000	2023	07	28	14:20	84	56	0
20230728T142500	2023	07	28	14:25	83.9	54.4	0
20230728T143000	2023	07	28	14:30	83.7	53.8	0
20230728T143500	2023	07	28	14:35	83.9	54.6	0
20230728T144000	2023	07	28	14:40	84.2	54.1	0
20230728T144500	2023	07	28	14:45	84.8	53.7	0
20230728T145000	2023	07	28	14:50	84.9	53	0
20230728T145500	2023	07	28	14:55	84.5	52.6	0
20230728T150000	2023	07	28	15:00	84.8	53	0
20230728T150500	2023	07	28	15:05	85.3	53.3	0
20230728T151000	2023	07	28	15:10	84.8	53.1	0
20230728T151500	2023	07	28	15:15	84.8	54.3	0
20230728T152000	2023	07	28	15:20	84.8	54.3	0
20230728T152500	2023	07	28	15:25	84.8	55.8	0
20230728T153000	2023	07	28	15:30	84.3	57.1	0
20230728T153500	2023	07	28	15:35	85.4	56.4	0
20230728T154000	2023	07	28	15:40	85.5	52.6	0
20230728T154500	2023	07	28	15:45	85.7	52.3	0
20230728T155000	2023	07	28	15:50	85.7	51.6	0
20230728T155500	2023	07	28	15:55	85.4	52.4	0
20230728T160000	2023	07	28	16:00	85.3	53.2	0
20230728T160500	2023	07	28	16:05	85.8	53.6	0
20230728T161000	2023	07	28	16:10	85.2	52.7	0
20230728T161500	2023	07	28	16:15	85.1	53.7	0
20230728T162000	2023	07	28	16:20	85.1	54.9	0
20230728T162500	2023	07	28	16:25	84.6	53.9	0
20230728T163000	2023	07	28	16:30	84.8	55.8	0
20230728T163500	2023	07	28	16:35	85.4	55.5	0
20230728T164000	2023	07	28	16:40	85.7	54.5	0
20230728T164500	2023	07	28	16:45	84.9	52.2	0
20230728T165000	2023	07	28	16:50	84.6	53.7	0
20230728T165500	2023	07	28	16:55	84.8	54	0
20230728T170000	2023	07	28	17:00	84.6	54.8	0
20230728T170500	2023	07	28	17:05	84.4	55.1	0
20230728T171000	2023	07	28	17:10	84.9	56	0
20230728T171500	2023	07	28	17:15	84.1	56.9	0
20230728T172000	2023	07	28	17:20	84	57.4	0
20230728T172500	2023	07	28	17:25	85.1	58.2	0
20230728T173000	2023	07	28	17:30	85.5	56.5	0
20230728T173500	2023	07	28	17:35	84.4	56.5	0
20230728T174000	2023	07	28	17:40	84.6	57.2	0
20230728T174500	2023	07	28	17:45	83.9	57.7	0
20230728T175000	2023	07	28	17:50	84.3	58.8	0
20230728T175500	2023	07	28	17:55	84.6	57	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230728T180000	2023	07	28	18:00	84.9	57.8	0
20230728T180500	2023	07	28	18:05	84.5	55.6	0
20230728T181000	2023	07	28	18:10	83.6	56.7	0
20230728T181500	2023	07	28	18:15	84.5	55	0
20230728T182000	2023	07	28	18:20	84.9	55.2	0
20230728T182500	2023	07	28	18:25	84.5	53.3	0
20230728T183000	2023	07	28	18:30	84	53.9	0
20230728T183500	2023	07	28	18:35	83.9	54.4	0
20230728T184000	2023	07	28	18:40	83.8	55.8	0
20230728T184500	2023	07	28	18:45	83.5	55	0
20230728T185000	2023	07	28	18:50	83.1	55.9	0
20230728T185500	2023	07	28	18:55	82.7	57.1	0
20230728T190000	2023	07	28	19:00	81.9	59.5	0
20230728T190500	2023	07	28	19:05	82.1	59.4	0
20230728T191000	2023	07	28	19:10	81.9	60.3	0
20230728T191500	2023	07	28	19:15	81	63.6	0
20230728T192000	2023	07	28	19:20	79.8	66.2	0
20230728T192500	2023	07	28	19:25	79.1	71.1	0
20230728T193000	2023	07	28	19:30	78.7	72.5	0
20230728T193500	2023	07	28	19:35	78.7	73	0
20230728T194000	2023	07	28	19:40	77.6	78.6	0
20230728T194500	2023	07	28	19:45	77.4	77.9	0
20230728T195000	2023	07	28	19:50	77.2	78	0
20230728T195500	2023	07	28	19:55	76.8	80.4	0
20230728T200000	2023	07	28	20:00	76.3	81.3	0
20230728T200500	2023	07	28	20:05	75.9	82.7	0
20230728T201000	2023	07	28	20:10	75.8	82	0
20230728T201500	2023	07	28	20:15	74.6	83	0
20230728T202000	2023	07	28	20:20	74.7	85.3	0
20230728T202500	2023	07	28	20:25	74.4	86.6	0
20230728T203000	2023	07	28	20:30	74.2	87	0
20230728T203500	2023	07	28	20:35	74.2	87.3	0
20230728T204000	2023	07	28	20:40	73.9	86.9	0
20230728T204500	2023	07	28	20:45	72.9	88.4	0
20230728T205000	2023	07	28	20:50	73	89.5	0
20230728T205500	2023	07	28	20:55	72.2	91.4	0
20230728T210000	2023	07	28	21:00	72	91.3	0
20230728T210500	2023	07	28	21:05	72.1	91.1	0
20230728T211000	2023	07	28	21:10	72.7	89.3	0
20230728T211500	2023	07	28	21:15	72.2	89.1	0
20230728T212000	2023	07	28	21:20	71.5	91.1	0
20230728T212500	2023	07	28	21:25	71.2	92.7	0
20230728T213000	2023	07	28	21:30	71.6	92.8	0
20230728T213500	2023	07	28	21:35	70.9	92.9	0
20230728T214000	2023	07	28	21:40	71	93.4	0
20230728T214500	2023	07	28	21:45	70.7	93.6	0
20230728T215000	2023	07	28	21:50	70.2	94.3	0
20230728T215500	2023	07	28	21:55	70.3	95	0
20230728T220000	2023	07	28	22:00	70.3	95.3	0
20230728T220500	2023	07	28	22:05	70	95.6	0
20230728T221000	2023	07	28	22:10	69.5	95.7	0
20230728T221500	2023	07	28	22:15	69.7	96.2	0
20230728T222000	2023	07	28	22:20	69.2	96.2	0
20230728T222500	2023	07	28	22:25	69.4	96.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230728T223000	2023	07	28	22:30	69.7	96.7	0
20230728T223500	2023	07	28	22:35	69.5	96.4	0
20230728T224000	2023	07	28	22:40	69.2	96.1	0
20230728T224500	2023	07	28	22:45	69	96.5	0
20230728T225000	2023	07	28	22:50	69.4	97	0
20230728T225500	2023	07	28	22:55	69.1	96.8	0
20230728T230000	2023	07	28	23:00	68.7	96.9	0
20230728T230500	2023	07	28	23:05	68.1	96.9	0
20230728T231000	2023	07	28	23:10	68.6	97.3	0
20230728T231500	2023	07	28	23:15	68.9	97.4	0
20230728T232000	2023	07	28	23:20	69.5	97.5	0
20230728T232500	2023	07	28	23:25	69.7	97.1	0
20230728T233000	2023	07	28	23:30	69.5	96.7	0
20230728T233500	2023	07	28	23:35	69.3	96.3	0
20230728T234000	2023	07	28	23:40	68.4	96.1	0
20230728T234500	2023	07	28	23:45	68.5	96.6	0
20230728T235000	2023	07	28	23:50	68.9	97.1	0
20230728T235500	2023	07	28	23:55	69.2	97.2	0
20230729T000000	2023	07	29	00:00	68.7	96.9	0
20230729T000500	2023	07	29	00:05	68.7	97	0
20230729T001000	2023	07	29	00:10	69	97.2	0
20230729T001500	2023	07	29	00:15	69.1	97	0
20230729T002000	2023	07	29	00:20	69.2	96.7	0
20230729T002500	2023	07	29	00:25	69.2	96.6	0
20230729T003000	2023	07	29	00:30	69.3	96.4	0
20230729T003500	2023	07	29	00:35	69.5	96.2	0
20230729T004000	2023	07	29	00:40	69.8	95.6	0
20230729T004500	2023	07	29	00:45	69.4	95.2	0
20230729T005000	2023	07	29	00:50	69.3	95.6	0
20230729T005500	2023	07	29	00:55	69.4	95.7	0
20230729T010000	2023	07	29	01:00	69.2	95.8	0
20230729T010500	2023	07	29	01:05	69.2	95.9	0
20230729T011000	2023	07	29	01:10	69.1	96	0
20230729T011500	2023	07	29	01:15	69	96.1	0
20230729T012000	2023	07	29	01:20	68.9	96.2	0
20230729T012500	2023	07	29	01:25	68.9	96.3	0
20230729T013000	2023	07	29	01:30	68.7	96.4	0
20230729T013500	2023	07	29	01:35	68.3	96.6	0
20230729T014000	2023	07	29	01:40	67.9	97	0
20230729T014500	2023	07	29	01:45	67.9	97.3	0
20230729T015000	2023	07	29	01:50	67.8	97.4	0
20230729T015500	2023	07	29	01:55	68	97.7	0
20230729T020000	2023	07	29	02:00	68.1	97.6	0
20230729T020500	2023	07	29	02:05	67	97.4	0
20230729T021000	2023	07	29	02:10	67	97.6	0
20230729T021500	2023	07	29	02:15	67.1	97.9	0
20230729T022000	2023	07	29	02:20	67.2	98	0
20230729T022500	2023	07	29	02:25	66.7	97.9	0
20230729T023000	2023	07	29	02:30	66.8	98	0
20230729T023500	2023	07	29	02:35	66.8	98.3	0
20230729T024000	2023	07	29	02:40	66.7	98.2	0
20230729T024500	2023	07	29	02:45	66.3	98.2	0
20230729T025000	2023	07	29	02:50	66.5	98.5	0
20230729T025500	2023	07	29	02:55	66.1	98.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230729T030000	2023	07	29	03:00	66.2	98.6	0
20230729T030500	2023	07	29	03:05	66.4	98.7	0
20230729T031000	2023	07	29	03:10	66.6	98.7	0
20230729T031500	2023	07	29	03:15	65.8	98.5	0
20230729T032000	2023	07	29	03:20	65.8	98.7	0
20230729T032500	2023	07	29	03:25	65.8	98.8	0
20230729T033000	2023	07	29	03:30	65.8	98.8	0
20230729T033500	2023	07	29	03:35	66.2	99	0
20230729T034000	2023	07	29	03:40	66.6	99.1	0
20230729T034500	2023	07	29	03:45	66.7	99	0
20230729T035000	2023	07	29	03:50	66.5	99	0
20230729T035500	2023	07	29	03:55	66.7	99.1	0
20230729T040000	2023	07	29	04:00	66.3	99	0
20230729T040500	2023	07	29	04:05	66	98.9	0
20230729T041000	2023	07	29	04:10	65.7	98.9	0
20230729T041500	2023	07	29	04:15	66.1	99.1	0
20230729T042000	2023	07	29	04:20	66.1	99.2	0
20230729T042500	2023	07	29	04:25	66.3	99.2	0
20230729T043000	2023	07	29	04:30	66.6	99.3	0
20230729T043500	2023	07	29	04:35	66.5	99.2	0
20230729T044000	2023	07	29	04:40	66.4	99.2	0
20230729T044500	2023	07	29	04:45	66.3	99.1	0
20230729T045000	2023	07	29	04:50	65.8	99	0
20230729T045500	2023	07	29	04:55	66.2	99.3	0
20230729T050000	2023	07	29	05:00	65.7	99	0
20230729T050500	2023	07	29	05:05	65.4	99.1	0
20230729T051000	2023	07	29	05:10	64.8	99	0
20230729T051500	2023	07	29	05:15	64.9	99.2	0
20230729T052000	2023	07	29	05:20	65.1	99.3	0
20230729T052500	2023	07	29	05:25	65.3	99.1	0
20230729T053000	2023	07	29	05:30	65.3	99.5	0
20230729T053500	2023	07	29	05:35	65.3	99.3	0
20230729T054000	2023	07	29	05:40	64.7	99.3	0
20230729T054500	2023	07	29	05:45	64.6	99.1	0
20230729T055000	2023	07	29	05:50	64.7	99.3	0
20230729T055500	2023	07	29	05:55	64.8	99.4	0
20230729T060000	2023	07	29	06:00	64.4	99.3	0
20230729T060500	2023	07	29	06:05	63.9	99.2	0
20230729T061000	2023	07	29	06:10	63	99	0
20230729T061500	2023	07	29	06:15	63.4	99.3	0
20230729T062000	2023	07	29	06:20	63.8	99.6	0
20230729T062500	2023	07	29	06:25	64	99.6	0
20230729T063000	2023	07	29	06:30	64.2	99.5	0
20230729T063500	2023	07	29	06:35	64.3	99.6	0
20230729T064000	2023	07	29	06:40	64	99.4	0
20230729T064500	2023	07	29	06:45	64.1	99.5	0
20230729T065000	2023	07	29	06:50	64.6	99.7	0
20230729T065500	2023	07	29	06:55	64.9	99.6	0
20230729T070000	2023	07	29	07:00	65	99.5	0
20230729T070500	2023	07	29	07:05	65.6	99.5	0
20230729T071000	2023	07	29	07:10	65.9	99.3	0
20230729T071500	2023	07	29	07:15	66.3	99.3	0
20230729T072000	2023	07	29	07:20	66.3	99.1	0
20230729T072500	2023	07	29	07:25	66.7	99.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230729T073000	2023	07	29	07:30	67.1	99	0
20230729T073500	2023	07	29	07:35	67.5	98.9	0
20230729T074000	2023	07	29	07:40	67.9	98.7	0
20230729T074500	2023	07	29	07:45	68.5	98.6	0
20230729T075000	2023	07	29	07:50	68.9	98	0
20230729T075500	2023	07	29	07:55	69.5	96.9	0
20230729T080000	2023	07	29	08:00	69.9	94.6	0
20230729T080500	2023	07	29	08:05	70	93.9	0
20230729T081000	2023	07	29	08:10	70	93.5	0
20230729T081500	2023	07	29	08:15	70.3	93.7	0
20230729T082000	2023	07	29	08:20	71	93.4	0
20230729T082500	2023	07	29	08:25	71.7	90.9	0
20230729T083000	2023	07	29	08:30	72.1	88.4	0
20230729T083500	2023	07	29	08:35	72.4	87.8	0
20230729T084000	2023	07	29	08:40	72.8	88.3	0
20230729T084500	2023	07	29	08:45	73.7	87.3	0
20230729T085000	2023	07	29	08:50	72.9	84.6	0
20230729T085500	2023	07	29	08:55	73.4	83.8	0
20230729T090000	2023	07	29	09:00	74.7	82	0
20230729T090500	2023	07	29	09:05	75.7	82.1	0
20230729T091000	2023	07	29	09:10	76.9	82.1	0
20230729T091500	2023	07	29	09:15	76.9	79	0
20230729T092000	2023	07	29	09:20	77.1	79.1	0
20230729T092500	2023	07	29	09:25	77.6	77.8	0
20230729T093000	2023	07	29	09:30	77.3	75.9	0
20230729T093500	2023	07	29	09:35	77.7	77.4	0
20230729T094000	2023	07	29	09:40	77.9	77.5	0
20230729T094500	2023	07	29	09:45	77.9	76.6	0
20230729T095000	2023	07	29	09:50	78.4	75.4	0
20230729T095500	2023	07	29	09:55	77.9	73.7	0
20230729T100000	2023	07	29	10:00	78.7	75.1	0
20230729T100500	2023	07	29	10:05	78.5	74.1	0
20230729T101000	2023	07	29	10:10	79.3	74.2	0
20230729T101500	2023	07	29	10:15	78.6	73.4	0
20230729T102000	2023	07	29	10:20	78.8	74.1	0
20230729T102500	2023	07	29	10:25	79.6	72.1	0
20230729T103000	2023	07	29	10:30	80.7	71.9	0
20230729T103500	2023	07	29	10:35	79.5	70.7	0
20230729T104000	2023	07	29	10:40	79.4	72.7	0
20230729T104500	2023	07	29	10:45	79.3	71	0
20230729T105000	2023	07	29	10:50	78.9	71.4	0
20230729T105500	2023	07	29	10:55	79.1	72.3	0
20230729T110000	2023	07	29	11:00	78.5	71.3	0
20230729T110500	2023	07	29	11:05	73.1	71.9	0
20230729T111000	2023	07	29	11:10	70.5	82.2	0
20230729T111500	2023	07	29	11:15	69.7	86.6	0
20230729T112000	2023	07	29	11:20	68.8	90.9	0
20230729T112500	2023	07	29	11:25	69.5	91.8	0
20230729T113000	2023	07	29	11:30	70.4	90.8	0
20230729T113500	2023	07	29	11:35	70.3	89.5	0
20230729T114000	2023	07	29	11:40	70.5	89	0
20230729T114500	2023	07	29	11:45	70.2	88.1	0
20230729T115000	2023	07	29	11:50	69.8	88.1	0
20230729T115500	2023	07	29	11:55	69.6	88.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230729T120000	2023	07	29	12:00	69.6	88.6	0
20230729T120500	2023	07	29	12:05	69.3	88.4	0
20230729T121000	2023	07	29	12:10	69.2	89.7	0.067
20230729T121500	2023	07	29	12:15	67.9	91.9	0.158
20230729T122000	2023	07	29	12:20	67.6	94.6	0.013
20230729T122500	2023	07	29	12:25	67.7	96	0.023
20230729T123000	2023	07	29	12:30	67.8	96.3	0
20230729T123500	2023	07	29	12:35	67.9	96.3	0
20230729T124000	2023	07	29	12:40	68.2	96.4	0.022
20230729T124500	2023	07	29	12:45	67.9	96.1	0.043
20230729T125000	2023	07	29	12:50	67.9	96.2	0.048
20230729T125500	2023	07	29	12:55	67.8	96.1	0.058
20230729T130000	2023	07	29	13:00	67.7	95.9	0.038
20230729T130500	2023	07	29	13:05	67.9	96.3	0
20230729T131000	2023	07	29	13:10	68.3	96.4	0
20230729T131500	2023	07	29	13:15	68.8	95.5	0.009
20230729T132000	2023	07	29	13:20	69.3	94.4	0
20230729T132500	2023	07	29	13:25	69.3	92	0
20230729T133000	2023	07	29	13:30	69.2	91.2	0
20230729T133500	2023	07	29	13:35	69.4	91	0
20230729T134000	2023	07	29	13:40	69.7	91.1	0
20230729T134500	2023	07	29	13:45	69.7	90.2	0
20230729T135000	2023	07	29	13:50	69.7	90.4	0
20230729T135500	2023	07	29	13:55	69.5	90.1	0
20230729T140000	2023	07	29	14:00	69.2	90	0
20230729T140500	2023	07	29	14:05	69.5	90.4	0
20230729T141000	2023	07	29	14:10	69.4	90.6	0.009
20230729T141500	2023	07	29	14:15	68.9	92.5	0.009
20230729T142000	2023	07	29	14:20	68.8	93.4	0.01
20230729T142500	2023	07	29	14:25	68.8	94	0.061
20230729T143000	2023	07	29	14:30	68.6	94.9	0.02
20230729T143500	2023	07	29	14:35	68.4	95.2	0.012
20230729T144000	2023	07	29	14:40	68.3	95.3	0.034
20230729T144500	2023	07	29	14:45	68	96	0.048
20230729T145000	2023	07	29	14:50	67.8	96.3	0.039
20230729T145500	2023	07	29	14:55	67.7	95.9	0.021
20230729T150000	2023	07	29	15:00	67.5	95.6	0.013
20230729T150500	2023	07	29	15:05	67.5	96.1	0.008
20230729T151000	2023	07	29	15:10	67.7	96.7	0.023
20230729T151500	2023	07	29	15:15	68.1	96.2	0.024
20230729T152000	2023	07	29	15:20	68.1	95.7	0.02
20230729T152500	2023	07	29	15:25	68	95.5	0.02
20230729T153000	2023	07	29	15:30	67.9	95.5	0.011
20230729T153500	2023	07	29	15:35	67.8	95.3	0.015
20230729T154000	2023	07	29	15:40	67.8	95.4	0.009
20230729T154500	2023	07	29	15:45	67.8	95.6	0.002
20230729T155000	2023	07	29	15:50	67.7	95.8	0.006
20230729T155500	2023	07	29	15:55	67.6	95.9	0.002
20230729T160000	2023	07	29	16:00	67.7	96.2	0
20230729T160500	2023	07	29	16:05	67.9	96.3	0
20230729T161000	2023	07	29	16:10	68.1	95.9	0
20230729T161500	2023	07	29	16:15	68.2	95.1	0
20230729T162000	2023	07	29	16:20	68	94.7	0
20230729T162500	2023	07	29	16:25	67.9	94.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230729T163000	2023	07	29	16:30	67.7	94.3	0.006
20230729T163500	2023	07	29	16:35	67.7	95.1	0.01
20230729T164000	2023	07	29	16:40	67.7	95.4	0.002
20230729T164500	2023	07	29	16:45	67.6	95.6	0.004
20230729T165000	2023	07	29	16:50	66.5	94.6	0.024
20230729T165500	2023	07	29	16:55	64.9	93.7	0.009
20230729T170000	2023	07	29	17:00	64.2	94.1	0.007
20230729T170500	2023	07	29	17:05	64	94.5	0.004
20230729T171000	2023	07	29	17:10	63.8	94.3	0.006
20230729T171500	2023	07	29	17:15	63.6	93.7	0.002
20230729T172000	2023	07	29	17:20	63.4	93.3	0.001
20230729T172500	2023	07	29	17:25	63.2	93.5	0
20230729T173000	2023	07	29	17:30	62.9	92.8	0
20230729T173500	2023	07	29	17:35	62.7	92.6	0
20230729T174000	2023	07	29	17:40	62.5	92.9	0
20230729T174500	2023	07	29	17:45	62.4	93.2	0.012
20230729T175000	2023	07	29	17:50	62.4	94.2	0.005
20230729T175500	2023	07	29	17:55	62.2	94.7	0.001
20230729T180000	2023	07	29	18:00	62	94.9	0
20230729T180500	2023	07	29	18:05	61.9	95.2	0
20230729T181000	2023	07	29	18:10	61.9	95.2	0
20230729T181500	2023	07	29	18:15	62.4	95.1	0.006
20230729T182000	2023	07	29	18:20	62.7	94.3	0
20230729T182500	2023	07	29	18:25	62.8	93.3	0
20230729T183000	2023	07	29	18:30	63.3	92.7	0
20230729T183500	2023	07	29	18:35	63.9	90.4	0
20230729T184000	2023	07	29	18:40	63.8	89.8	0
20230729T184500	2023	07	29	18:45	63.9	89.4	0
20230729T185000	2023	07	29	18:50	63.8	89.3	0
20230729T185500	2023	07	29	18:55	63.8	89.4	0
20230729T190000	2023	07	29	19:00	64	88.4	0
20230729T190500	2023	07	29	19:05	63.9	88.6	0
20230729T191000	2023	07	29	19:10	63.8	89.8	0
20230729T191500	2023	07	29	19:15	63.6	89.6	0
20230729T192000	2023	07	29	19:20	63.5	89.3	0
20230729T192500	2023	07	29	19:25	63.4	89.3	0
20230729T193000	2023	07	29	19:30	63.1	91	0
20230729T193500	2023	07	29	19:35	63	91.5	0
20230729T194000	2023	07	29	19:40	63	91.1	0
20230729T194500	2023	07	29	19:45	62.8	91.3	0
20230729T195000	2023	07	29	19:50	62.6	90.9	0
20230729T195500	2023	07	29	19:55	62.4	91.2	0
20230729T200000	2023	07	29	20:00	62.4	91.2	0
20230729T200500	2023	07	29	20:05	62.5	91.2	0
20230729T201000	2023	07	29	20:10	62.5	91.4	0
20230729T201500	2023	07	29	20:15	62.2	91.9	0
20230729T202000	2023	07	29	20:20	61.9	92.4	0
20230729T202500	2023	07	29	20:25	61.8	93.1	0
20230729T203000	2023	07	29	20:30	61.9	93.1	0
20230729T203500	2023	07	29	20:35	61.8	92.5	0
20230729T204000	2023	07	29	20:40	61.4	92.8	0
20230729T204500	2023	07	29	20:45	61	93.6	0
20230729T205000	2023	07	29	20:50	60.7	94.7	0
20230729T205500	2023	07	29	20:55	60.5	95.2	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230729T210000	2023	07	29	21:00	60.3	95.5	0
20230729T210500	2023	07	29	21:05	60.1	95.5	0
20230729T211000	2023	07	29	21:10	60.1	95.3	0
20230729T211500	2023	07	29	21:15	59.9	95.6	0
20230729T212000	2023	07	29	21:20	59.8	96	0
20230729T212500	2023	07	29	21:25	59.8	96	0
20230729T213000	2023	07	29	21:30	59.8	96	0
20230729T213500	2023	07	29	21:35	59.6	96.1	0
20230729T214000	2023	07	29	21:40	59.4	96.6	0
20230729T214500	2023	07	29	21:45	59.1	96.8	0
20230729T215000	2023	07	29	21:50	59	96.8	0
20230729T215500	2023	07	29	21:55	58.8	96.4	0
20230729T220000	2023	07	29	22:00	58.5	96	0
20230729T220500	2023	07	29	22:05	58.3	95.5	0
20230729T221000	2023	07	29	22:10	58.3	94.1	0
20230729T221500	2023	07	29	22:15	58.1	91	0
20230729T222000	2023	07	29	22:20	57.9	89.7	0
20230729T222500	2023	07	29	22:25	57.7	89.4	0
20230729T223000	2023	07	29	22:30	57.6	89.3	0
20230729T223500	2023	07	29	22:35	57.4	88.8	0
20230729T224000	2023	07	29	22:40	57.4	88.4	0
20230729T224500	2023	07	29	22:45	57.3	88.4	0
20230729T225000	2023	07	29	22:50	57.2	88.7	0
20230729T225500	2023	07	29	22:55	57.2	89	0
20230729T230000	2023	07	29	23:00	57	89.2	0
20230729T230500	2023	07	29	23:05	56.8	89.6	0
20230729T231000	2023	07	29	23:10	56.7	90.1	0
20230729T231500	2023	07	29	23:15	56.6	90.2	0
20230729T232000	2023	07	29	23:20	56.4	90.5	0
20230729T232500	2023	07	29	23:25	56.2	90.9	0
20230729T233000	2023	07	29	23:30	56	91.5	0
20230729T233500	2023	07	29	23:35	56	92.1	0
20230729T234000	2023	07	29	23:40	56	92.1	0
20230729T234500	2023	07	29	23:45	55.6	92.4	0
20230729T235000	2023	07	29	23:50	55.3	93.2	0
20230729T235500	2023	07	29	23:55	54.8	93.7	0
20230730T000000	2023	07	30	00:00	55.2	94.7	0
20230730T000500	2023	07	30	00:05	55.4	95.1	0
20230730T001000	2023	07	30	00:10	55.8	95.3	0
20230730T001500	2023	07	30	00:15	55.9	95.1	0
20230730T002000	2023	07	30	00:20	56	95.2	0
20230730T002500	2023	07	30	00:25	56	95.2	0
20230730T003000	2023	07	30	00:30	55.9	95	0
20230730T003500	2023	07	30	00:35	56	95	0
20230730T004000	2023	07	30	00:40	55.7	94.8	0
20230730T004500	2023	07	30	00:45	55.4	94.8	0
20230730T005000	2023	07	30	00:50	55.3	95.1	0
20230730T005500	2023	07	30	00:55	55.2	95.3	0
20230730T010000	2023	07	30	01:00	55.2	95.5	0
20230730T010500	2023	07	30	01:05	55.4	95.4	0
20230730T011000	2023	07	30	01:10	55.4	95.3	0
20230730T011500	2023	07	30	01:15	55.1	95.1	0
20230730T012000	2023	07	30	01:20	54.7	94.9	0
20230730T012500	2023	07	30	01:25	54.5	95.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230730T013000	2023	07	30	01:30	54.5	95.5	0
20230730T013500	2023	07	30	01:35	54.7	95.9	0
20230730T014000	2023	07	30	01:40	55	96.1	0
20230730T014500	2023	07	30	01:45	55.3	96	0
20230730T015000	2023	07	30	01:50	54.7	95.8	0
20230730T015500	2023	07	30	01:55	54.8	96.1	0
20230730T020000	2023	07	30	02:00	54.7	96.3	0
20230730T020500	2023	07	30	02:05	54.6	96.5	0
20230730T021000	2023	07	30	02:10	54	96.8	0
20230730T021500	2023	07	30	02:15	53.7	97.2	0
20230730T022000	2023	07	30	02:20	53.9	97.5	0
20230730T022500	2023	07	30	02:25	53.8	97.7	0
20230730T023000	2023	07	30	02:30	53.5	97.9	0
20230730T023500	2023	07	30	02:35	53.5	97.9	0
20230730T024000	2023	07	30	02:40	53.1	98	0
20230730T024500	2023	07	30	02:45	52.4	97.9	0
20230730T025000	2023	07	30	02:50	52.5	98.1	0
20230730T025500	2023	07	30	02:55	52.3	98.2	0
20230730T030000	2023	07	30	03:00	51.8	98.2	0
20230730T030500	2023	07	30	03:05	51.9	98.4	0
20230730T031000	2023	07	30	03:10	52.3	98.9	0
20230730T031500	2023	07	30	03:15	52.3	98.8	0
20230730T032000	2023	07	30	03:20	51.8	98.7	0
20230730T032500	2023	07	30	03:25	51.8	98.9	0
20230730T033000	2023	07	30	03:30	51.4	98.8	0
20230730T033500	2023	07	30	03:35	51.9	99.3	0
20230730T034000	2023	07	30	03:40	52.1	99.3	0
20230730T034500	2023	07	30	03:45	52.2	99.3	0
20230730T035000	2023	07	30	03:50	52.1	99.2	0
20230730T035500	2023	07	30	03:55	52.1	99.3	0
20230730T040000	2023	07	30	04:00	51.9	99.3	0
20230730T040500	2023	07	30	04:05	52	99.4	0
20230730T041000	2023	07	30	04:10	52.4	99.6	0
20230730T041500	2023	07	30	04:15	52.5	99.5	0
20230730T042000	2023	07	30	04:20	52.5	99.5	0
20230730T042500	2023	07	30	04:25	52.6	99.6	0
20230730T043000	2023	07	30	04:30	52.9	99.7	0
20230730T043500	2023	07	30	04:35	53.1	99.7	0
20230730T044000	2023	07	30	04:40	53.3	99.7	0
20230730T044500	2023	07	30	04:45	53.5	99.7	0
20230730T045000	2023	07	30	04:50	53.7	99.7	0
20230730T045500	2023	07	30	04:55	53.9	99.7	0
20230730T050000	2023	07	30	05:00	53.9	99.7	0.003
20230730T050500	2023	07	30	05:05	53.9	99.6	0.001
20230730T051000	2023	07	30	05:10	54.1	99.8	0.004
20230730T051500	2023	07	30	05:15	54.4	99.8	0.004
20230730T052000	2023	07	30	05:20	54.5	99.7	0.001
20230730T052500	2023	07	30	05:25	54.5	99.7	0.005
20230730T053000	2023	07	30	05:30	54.7	99.7	0.006
20230730T053500	2023	07	30	05:35	54.6	99.7	0.009
20230730T054000	2023	07	30	05:40	54.8	99.7	0.008
20230730T054500	2023	07	30	05:45	55	99.8	0.004
20230730T055000	2023	07	30	05:50	54.9	99.7	0.003
20230730T055500	2023	07	30	05:55	55.3	99.9	0.001

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230730T060000	2023	07	30	06:00	55.5	99.5	0
20230730T060500	2023	07	30	06:05	55.3	99	0
20230730T061000	2023	07	30	06:10	55.1	98.4	0
20230730T061500	2023	07	30	06:15	55.1	97.6	0
20230730T062000	2023	07	30	06:20	55	96.6	0
20230730T062500	2023	07	30	06:25	55.1	95.7	0
20230730T063000	2023	07	30	06:30	55	94.9	0
20230730T063500	2023	07	30	06:35	54.9	94.1	0
20230730T064000	2023	07	30	06:40	54.8	93.3	0
20230730T064500	2023	07	30	06:45	54.8	92.4	0
20230730T065000	2023	07	30	06:50	55	93.2	0
20230730T065500	2023	07	30	06:55	55	94	0
20230730T070000	2023	07	30	07:00	55	93.8	0
20230730T070500	2023	07	30	07:05	55.1	93.6	0
20230730T071000	2023	07	30	07:10	55.3	93.8	0
20230730T071500	2023	07	30	07:15	55.4	93.5	0
20230730T072000	2023	07	30	07:20	55.5	93.5	0
20230730T072500	2023	07	30	07:25	55.6	93.4	0
20230730T073000	2023	07	30	07:30	55.9	93.2	0
20230730T073500	2023	07	30	07:35	56.4	93.6	0
20230730T074000	2023	07	30	07:40	56.6	93.5	0
20230730T074500	2023	07	30	07:45	56.9	93.2	0
20230730T075000	2023	07	30	07:50	57.1	92.2	0
20230730T075500	2023	07	30	07:55	57.4	91.1	0
20230730T080000	2023	07	30	08:00	57.2	90.7	0
20230730T080500	2023	07	30	08:05	57.5	91.2	0
20230730T081000	2023	07	30	08:10	57.6	90.7	0
20230730T081500	2023	07	30	08:15	58.1	90.6	0
20230730T082000	2023	07	30	08:20	58.5	89.5	0
20230730T082500	2023	07	30	08:25	58.4	88.4	0
20230730T083000	2023	07	30	08:30	58.7	88.5	0
20230730T083500	2023	07	30	08:35	59.1	89.2	0
20230730T084000	2023	07	30	08:40	59.2	88.5	0
20230730T084500	2023	07	30	08:45	58.6	87.8	0
20230730T085000	2023	07	30	08:50	59.3	87	0
20230730T085500	2023	07	30	08:55	59.5	85	0
20230730T090000	2023	07	30	09:00	59.6	82	0
20230730T090500	2023	07	30	09:05	60.1	82.5	0
20230730T091000	2023	07	30	09:10	59.9	78.5	0
20230730T091500	2023	07	30	09:15	60.3	75.8	0
20230730T092000	2023	07	30	09:20	60.7	76.4	0
20230730T092500	2023	07	30	09:25	60.9	74.7	0
20230730T093000	2023	07	30	09:30	60.8	72.1	0
20230730T093500	2023	07	30	09:35	60.9	71.5	0
20230730T094000	2023	07	30	09:40	61.2	71.1	0
20230730T094500	2023	07	30	09:45	62	70.8	0
20230730T095000	2023	07	30	09:50	61.2	67.5	0
20230730T095500	2023	07	30	09:55	61.7	67.6	0
20230730T100000	2023	07	30	10:00	61.9	67.8	0
20230730T100500	2023	07	30	10:05	62	68.2	0
20230730T101000	2023	07	30	10:10	62.1	68	0
20230730T101500	2023	07	30	10:15	62	69.8	0
20230730T102000	2023	07	30	10:20	62.5	68.3	0
20230730T102500	2023	07	30	10:25	61.3	70	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230730T103000	2023	07	30	10:30	62.3	69.8	0
20230730T103500	2023	07	30	10:35	62.2	67.2	0
20230730T104000	2023	07	30	10:40	62.7	67.8	0
20230730T104500	2023	07	30	10:45	63	67.1	0
20230730T105000	2023	07	30	10:50	61.7	67.5	0
20230730T105500	2023	07	30	10:55	62.9	68.2	0
20230730T110000	2023	07	30	11:00	63.6	66.1	0
20230730T110500	2023	07	30	11:05	64.2	66.6	0
20230730T111000	2023	07	30	11:10	63.7	64.5	0
20230730T111500	2023	07	30	11:15	63.4	63	0
20230730T112000	2023	07	30	11:20	63.3	65	0
20230730T112500	2023	07	30	11:25	64.3	62.4	0
20230730T113000	2023	07	30	11:30	64.4	66.4	0
20230730T113500	2023	07	30	11:35	64.7	63.8	0
20230730T114000	2023	07	30	11:40	63.4	64.3	0
20230730T114500	2023	07	30	11:45	63.7	61.4	0
20230730T115000	2023	07	30	11:50	65.1	61.2	0
20230730T115500	2023	07	30	11:55	64.1	64.7	0
20230730T120000	2023	07	30	12:00	63.7	64.6	0
20230730T120500	2023	07	30	12:05	64.9	61.9	0
20230730T121000	2023	07	30	12:10	64.8	59.5	0
20230730T121500	2023	07	30	12:15	63.9	61	0
20230730T122000	2023	07	30	12:20	64.8	63.4	0
20230730T122500	2023	07	30	12:25	64.6	61.4	0
20230730T123000	2023	07	30	12:30	64.9	61.6	0
20230730T123500	2023	07	30	12:35	65.6	62.2	0
20230730T124000	2023	07	30	12:40	65.6	60.9	0
20230730T124500	2023	07	30	12:45	65.5	59.2	0
20230730T125000	2023	07	30	12:50	65.5	59.4	0
20230730T125500	2023	07	30	12:55	65.8	62.3	0
20230730T130000	2023	07	30	13:00	65.9	61.1	0
20230730T130500	2023	07	30	13:05	66.2	60	0
20230730T131000	2023	07	30	13:10	66	57.3	0
20230730T131500	2023	07	30	13:15	66.8	60	0
20230730T132000	2023	07	30	13:20	66.4	60.7	0
20230730T132500	2023	07	30	13:25	66.4	58.3	0
20230730T133000	2023	07	30	13:30	66.4	58.6	0
20230730T133500	2023	07	30	13:35	66.5	58.5	0
20230730T134000	2023	07	30	13:40	66.4	60.1	0
20230730T134500	2023	07	30	13:45	67.1	58.6	0
20230730T135000	2023	07	30	13:50	67.6	58	0
20230730T135500	2023	07	30	13:55	65.6	59.7	0
20230730T140000	2023	07	30	14:00	66.4	60.1	0
20230730T140500	2023	07	30	14:05	67.3	58.9	0
20230730T141000	2023	07	30	14:10	67.4	56.4	0
20230730T141500	2023	07	30	14:15	67.4	56.7	0
20230730T142000	2023	07	30	14:20	66.7	57	0
20230730T142500	2023	07	30	14:25	67.8	54.7	0
20230730T143000	2023	07	30	14:30	67.4	53.9	0
20230730T143500	2023	07	30	14:35	67.5	53.6	0
20230730T144000	2023	07	30	14:40	67.9	55.2	0
20230730T144500	2023	07	30	14:45	68.1	53.8	0
20230730T145000	2023	07	30	14:50	67.8	53.9	0
20230730T145500	2023	07	30	14:55	68.2	54.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230730T150000	2023	07	30	15:00	68.4	53.4	0
20230730T150500	2023	07	30	15:05	68.6	52.7	0
20230730T151000	2023	07	30	15:10	67.9	53.4	0
20230730T151500	2023	07	30	15:15	68.5	54.4	0
20230730T152000	2023	07	30	15:20	68.8	54.9	0
20230730T152500	2023	07	30	15:25	68.8	53.7	0
20230730T153000	2023	07	30	15:30	68.5	51.9	0
20230730T153500	2023	07	30	15:35	68.7	52.9	0
20230730T154000	2023	07	30	15:40	67.2	54.8	0
20230730T154500	2023	07	30	15:45	66.4	57.5	0
20230730T155000	2023	07	30	15:50	67.6	57.2	0
20230730T155500	2023	07	30	15:55	69.3	54.5	0
20230730T160000	2023	07	30	16:00	69.5	53.4	0
20230730T160500	2023	07	30	16:05	67.7	53.3	0
20230730T161000	2023	07	30	16:10	67.9	55.7	0
20230730T161500	2023	07	30	16:15	69.7	52.3	0
20230730T162000	2023	07	30	16:20	69.7	51.2	0
20230730T162500	2023	07	30	16:25	69.4	49.1	0
20230730T163000	2023	07	30	16:30	69.5	48.7	0
20230730T163500	2023	07	30	16:35	69.3	49.6	0
20230730T164000	2023	07	30	16:40	69.3	51	0
20230730T164500	2023	07	30	16:45	69	51	0
20230730T165000	2023	07	30	16:50	69.2	50.9	0
20230730T165500	2023	07	30	16:55	69.6	52.2	0
20230730T170000	2023	07	30	17:00	69.8	51.3	0
20230730T170500	2023	07	30	17:05	69.7	52.4	0
20230730T171000	2023	07	30	17:10	69.2	51.5	0
20230730T171500	2023	07	30	17:15	68.9	52.6	0
20230730T172000	2023	07	30	17:20	68.7	53.8	0
20230730T172500	2023	07	30	17:25	68.7	53	0
20230730T173000	2023	07	30	17:30	69	52	0
20230730T173500	2023	07	30	17:35	69.3	52.5	0
20230730T174000	2023	07	30	17:40	68.9	50.9	0
20230730T174500	2023	07	30	17:45	68.8	50.8	0
20230730T175000	2023	07	30	17:50	68.8	51.2	0
20230730T175500	2023	07	30	17:55	69	51.4	0
20230730T180000	2023	07	30	18:00	68.9	51.7	0
20230730T180500	2023	07	30	18:05	67.5	53.3	0
20230730T181000	2023	07	30	18:10	68	54.8	0
20230730T181500	2023	07	30	18:15	68.7	51.9	0
20230730T182000	2023	07	30	18:20	68.7	52.5	0
20230730T182500	2023	07	30	18:25	68.4	51.9	0
20230730T183000	2023	07	30	18:30	68.2	54.2	0
20230730T183500	2023	07	30	18:35	67.2	55.2	0
20230730T184000	2023	07	30	18:40	67.6	55.3	0
20230730T184500	2023	07	30	18:45	66.8	56.2	0
20230730T185000	2023	07	30	18:50	67	56.7	0
20230730T185500	2023	07	30	18:55	67.2	56.2	0
20230730T190000	2023	07	30	19:00	67.3	55.2	0
20230730T190500	2023	07	30	19:05	67.4	55.5	0
20230730T191000	2023	07	30	19:10	67.2	57.3	0
20230730T191500	2023	07	30	19:15	67	57.2	0
20230730T192000	2023	07	30	19:20	66.7	55.7	0
20230730T192500	2023	07	30	19:25	66.1	56.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230730T193000	2023	07	30	19:30	65	60.5	0
20230730T193500	2023	07	30	19:35	64.8	60.1	0
20230730T194000	2023	07	30	19:40	63.6	64.4	0
20230730T194500	2023	07	30	19:45	63	65.6	0
20230730T195000	2023	07	30	19:50	62.4	67.3	0
20230730T195500	2023	07	30	19:55	60.9	73.6	0
20230730T200000	2023	07	30	20:00	60.2	76.3	0
20230730T200500	2023	07	30	20:05	60	78	0
20230730T201000	2023	07	30	20:10	59.9	78.8	0
20230730T201500	2023	07	30	20:15	58.9	79.9	0
20230730T202000	2023	07	30	20:20	57.4	81.8	0
20230730T202500	2023	07	30	20:25	56.9	86.2	0
20230730T203000	2023	07	30	20:30	56.9	88.2	0
20230730T203500	2023	07	30	20:35	56.3	88.9	0
20230730T204000	2023	07	30	20:40	56.2	88.3	0
20230730T204500	2023	07	30	20:45	55.8	88.7	0
20230730T205000	2023	07	30	20:50	56.1	90.6	0
20230730T205500	2023	07	30	20:55	55.3	92.7	0
20230730T210000	2023	07	30	21:00	55.6	93.9	0
20230730T210500	2023	07	30	21:05	55	93	0
20230730T211000	2023	07	30	21:10	55.3	93.3	0
20230730T211500	2023	07	30	21:15	54.8	93.6	0
20230730T212000	2023	07	30	21:20	54.8	94	0
20230730T212500	2023	07	30	21:25	54.4	94	0
20230730T213000	2023	07	30	21:30	54	94.3	0
20230730T213500	2023	07	30	21:35	53.4	95.1	0
20230730T214000	2023	07	30	21:40	53	95.7	0
20230730T214500	2023	07	30	21:45	52.9	96	0
20230730T215000	2023	07	30	21:50	53.3	96.9	0
20230730T215500	2023	07	30	21:55	52.8	97.1	0
20230730T220000	2023	07	30	22:00	52.6	97.2	0
20230730T220500	2023	07	30	22:05	52	97.2	0
20230730T221000	2023	07	30	22:10	51.9	97.2	0
20230730T221500	2023	07	30	22:15	51.9	97.5	0
20230730T222000	2023	07	30	22:20	52	98	0
20230730T222500	2023	07	30	22:25	51.7	97.7	0
20230730T223000	2023	07	30	22:30	51.8	97.9	0
20230730T223500	2023	07	30	22:35	51.5	98	0
20230730T224000	2023	07	30	22:40	51.9	98.3	0
20230730T224500	2023	07	30	22:45	50.9	97.9	0
20230730T225000	2023	07	30	22:50	50.7	98.1	0
20230730T225500	2023	07	30	22:55	51	98.4	0
20230730T230000	2023	07	30	23:00	51	98.4	0
20230730T230500	2023	07	30	23:05	51	98.7	0
20230730T231000	2023	07	30	23:10	50.9	98.5	0
20230730T231500	2023	07	30	23:15	51.1	98.6	0
20230730T232000	2023	07	30	23:20	51.1	98.8	0
20230730T232500	2023	07	30	23:25	51.5	98.9	0
20230730T233000	2023	07	30	23:30	51.6	99	0
20230730T233500	2023	07	30	23:35	51.5	98.8	0
20230730T234000	2023	07	30	23:40	51.4	98.8	0
20230730T234500	2023	07	30	23:45	51.4	98.8	0
20230730T235000	2023	07	30	23:50	51.6	99	0
20230730T235500	2023	07	30	23:55	51.8	99	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230731T000000	2023	07	31	00:00	52	98.8	0
20230731T000500	2023	07	31	00:05	51.8	98.6	0
20230731T001000	2023	07	31	00:10	51.6	98.5	0
20230731T001500	2023	07	31	00:15	51.5	98.4	0
20230731T002000	2023	07	31	00:20	51.6	98.4	0
20230731T002500	2023	07	31	00:25	51.4	98.5	0
20230731T003000	2023	07	31	00:30	51.4	98.6	0
20230731T003500	2023	07	31	00:35	51.5	98.5	0
20230731T004000	2023	07	31	00:40	51.5	98.7	0
20230731T004500	2023	07	31	00:45	51.3	98.6	0
20230731T005000	2023	07	31	00:50	51.4	98.7	0
20230731T005500	2023	07	31	00:55	51	98.3	0
20230731T010000	2023	07	31	01:00	50.9	98.7	0
20230731T010500	2023	07	31	01:05	50.6	98.4	0
20230731T011000	2023	07	31	01:10	50.8	98.5	0
20230731T011500	2023	07	31	01:15	50.8	98.6	0
20230731T012000	2023	07	31	01:20	50.7	98.6	0
20230731T012500	2023	07	31	01:25	50.8	98.6	0
20230731T013000	2023	07	31	01:30	50.7	98.7	0
20230731T013500	2023	07	31	01:35	50.6	98.7	0
20230731T014000	2023	07	31	01:40	50.9	98.8	0
20230731T014500	2023	07	31	01:45	51	98.8	0
20230731T015000	2023	07	31	01:50	51	98.9	0
20230731T015500	2023	07	31	01:55	51.1	99	0
20230731T020000	2023	07	31	02:00	51.2	99	0
20230731T020500	2023	07	31	02:05	51.6	99	0
20230731T021000	2023	07	31	02:10	51.5	98.9	0
20230731T021500	2023	07	31	02:15	51.4	98.9	0
20230731T022000	2023	07	31	02:20	51.3	98.9	0
20230731T022500	2023	07	31	02:25	51.3	98.9	0
20230731T023000	2023	07	31	02:30	51.3	99	0
20230731T023500	2023	07	31	02:35	51.2	99	0
20230731T024000	2023	07	31	02:40	51.2	99.1	0
20230731T024500	2023	07	31	02:45	51.2	99	0
20230731T025000	2023	07	31	02:50	51	98.9	0
20230731T025500	2023	07	31	02:55	51.1	99.1	0
20230731T030000	2023	07	31	03:00	51.1	99	0
20230731T030500	2023	07	31	03:05	51	99.1	0
20230731T031000	2023	07	31	03:10	50.9	99.1	0
20230731T031500	2023	07	31	03:15	50.9	99.1	0
20230731T032000	2023	07	31	03:20	50.8	99.1	0
20230731T032500	2023	07	31	03:25	50.5	99.1	0
20230731T033000	2023	07	31	03:30	50.6	99.1	0
20230731T033500	2023	07	31	03:35	50.8	99.3	0
20230731T034000	2023	07	31	03:40	51	99.4	0
20230731T034500	2023	07	31	03:45	51.3	99.4	0
20230731T035000	2023	07	31	03:50	51.3	99.4	0
20230731T035500	2023	07	31	03:55	51.3	99.4	0
20230731T040000	2023	07	31	04:00	51.3	99.4	0
20230731T040500	2023	07	31	04:05	51.4	99.4	0
20230731T041000	2023	07	31	04:10	51.4	99.4	0
20230731T041500	2023	07	31	04:15	51.5	99.4	0
20230731T042000	2023	07	31	04:20	51.5	99.4	0
20230731T042500	2023	07	31	04:25	51.6	99.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230731T043000	2023	07	31	04:30	51.6	99.4	0
20230731T043500	2023	07	31	04:35	51.7	99.5	0
20230731T044000	2023	07	31	04:40	51.8	99.5	0
20230731T044500	2023	07	31	04:45	51.8	99.4	0
20230731T045000	2023	07	31	04:50	51.9	99.5	0
20230731T045500	2023	07	31	04:55	51.9	99.4	0
20230731T050000	2023	07	31	05:00	51.9	99.4	0
20230731T050500	2023	07	31	05:05	51.8	99.4	0
20230731T051000	2023	07	31	05:10	51.6	99.4	0
20230731T051500	2023	07	31	05:15	51.6	99.4	0
20230731T052000	2023	07	31	05:20	51.7	99.4	0
20230731T052500	2023	07	31	05:25	51.7	99.4	0
20230731T053000	2023	07	31	05:30	51.7	99.4	0
20230731T053500	2023	07	31	05:35	51.6	99.3	0
20230731T054000	2023	07	31	05:40	51.4	99.3	0
20230731T054500	2023	07	31	05:45	51.3	99.3	0
20230731T055000	2023	07	31	05:50	51.3	99.4	0
20230731T055500	2023	07	31	05:55	51.2	99.4	0
20230731T060000	2023	07	31	06:00	51.2	99.3	0
20230731T060500	2023	07	31	06:05	51.2	99.4	0
20230731T061000	2023	07	31	06:10	51.1	99.4	0
20230731T061500	2023	07	31	06:15	51	99.4	0
20230731T062000	2023	07	31	06:20	51.1	99.4	0
20230731T062500	2023	07	31	06:25	50.9	99.4	0
20230731T063000	2023	07	31	06:30	50.9	99.3	0
20230731T063500	2023	07	31	06:35	50.8	99.3	0
20230731T064000	2023	07	31	06:40	50.9	99.3	0
20230731T064500	2023	07	31	06:45	51.1	99.4	0
20230731T065000	2023	07	31	06:50	51.4	99.3	0
20230731T065500	2023	07	31	06:55	52	99.3	0
20230731T070000	2023	07	31	07:00	52.2	99	0
20230731T070500	2023	07	31	07:05	52.6	99	0
20230731T071000	2023	07	31	07:10	52.9	98.5	0
20230731T071500	2023	07	31	07:15	53.3	98.2	0
20230731T072000	2023	07	31	07:20	53.6	97.7	0
20230731T072500	2023	07	31	07:25	54.2	97.4	0
20230731T073000	2023	07	31	07:30	54.4	96.9	0
20230731T073500	2023	07	31	07:35	54.8	95.1	0
20230731T074000	2023	07	31	07:40	55.2	93.2	0
20230731T074500	2023	07	31	07:45	55.7	93.5	0
20230731T075000	2023	07	31	07:50	56.4	93.4	0
20230731T075500	2023	07	31	07:55	57.4	93.5	0
20230731T080000	2023	07	31	08:00	58.4	92.9	0
20230731T080500	2023	07	31	08:05	58.8	92.1	0
20230731T081000	2023	07	31	08:10	60.6	91.9	0
20230731T081500	2023	07	31	08:15	62.5	86.4	0
20230731T082000	2023	07	31	08:20	63.3	82.5	0
20230731T082500	2023	07	31	08:25	63.7	81.4	0
20230731T083000	2023	07	31	08:30	63.7	80.3	0
20230731T083500	2023	07	31	08:35	63.5	80.3	0
20230731T084000	2023	07	31	08:40	63.6	80	0
20230731T084500	2023	07	31	08:45	63.8	80	0
20230731T085000	2023	07	31	08:50	64	80.2	0
20230731T085500	2023	07	31	08:55	64.2	80.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230731T090000	2023	07	31	09:00	64.6	80.3	0
20230731T090500	2023	07	31	09:05	64.8	79.7	0
20230731T091000	2023	07	31	09:10	65	79.6	0
20230731T091500	2023	07	31	09:15	65.1	78.6	0
20230731T092000	2023	07	31	09:20	65.3	78	0
20230731T092500	2023	07	31	09:25	65.6	77.4	0
20230731T093000	2023	07	31	09:30	65.7	76.8	0
20230731T093500	2023	07	31	09:35	66.3	76.3	0
20230731T094000	2023	07	31	09:40	66.1	75.1	0
20230731T094500	2023	07	31	09:45	66.3	75.3	0
20230731T095000	2023	07	31	09:50	66.4	73.4	0
20230731T095500	2023	07	31	09:55	66.4	74.1	0
20230731T100000	2023	07	31	10:00	66.9	73.7	0
20230731T100500	2023	07	31	10:05	66.3	73.3	0
20230731T101000	2023	07	31	10:10	66.6	72.7	0
20230731T101500	2023	07	31	10:15	66.5	73.1	0
20230731T102000	2023	07	31	10:20	66.4	72	0
20230731T102500	2023	07	31	10:25	65.9	71.9	0
20230731T103000	2023	07	31	10:30	65.2	73.7	0
20230731T103500	2023	07	31	10:35	63.1	82.8	0.013
20230731T104000	2023	07	31	10:40	61.9	88.6	0
20230731T104500	2023	07	31	10:45	61.7	90.2	0.033
20230731T105000	2023	07	31	10:50	61.7	91.5	0.021
20230731T105500	2023	07	31	10:55	62.4	91.3	0.002
20230731T110000	2023	07	31	11:00	62	87.9	0
20230731T110500	2023	07	31	11:05	61.8	88.6	0
20230731T111000	2023	07	31	11:10	62.3	89.9	0
20230731T111500	2023	07	31	11:15	63.8	90.8	0
20230731T112000	2023	07	31	11:20	64.5	88.6	0
20230731T112500	2023	07	31	11:25	65.6	87.9	0
20230731T113000	2023	07	31	11:30	66.3	83.6	0
20230731T113500	2023	07	31	11:35	66.3	79.6	0
20230731T114000	2023	07	31	11:40	66.5	76	0
20230731T114500	2023	07	31	11:45	66.6	75.6	0
20230731T115000	2023	07	31	11:50	66.7	74.8	0
20230731T115500	2023	07	31	11:55	66.1	74.4	0
20230731T120000	2023	07	31	12:00	65.9	76.5	0
20230731T120500	2023	07	31	12:05	65.8	77.3	0
20230731T121000	2023	07	31	12:10	66.4	76	0
20230731T121500	2023	07	31	12:15	67.3	74.9	0
20230731T122000	2023	07	31	12:20	68	70.5	0
20230731T122500	2023	07	31	12:25	67.5	72	0
20230731T123000	2023	07	31	12:30	67.7	72.2	0
20230731T123500	2023	07	31	12:35	67.8	71.7	0
20230731T124000	2023	07	31	12:40	67.7	70	0
20230731T124500	2023	07	31	12:45	66.9	68.3	0
20230731T125000	2023	07	31	12:50	67.3	67.6	0
20230731T125500	2023	07	31	12:55	67.5	67	0
20230731T130000	2023	07	31	13:00	67.1	68.2	0
20230731T130500	2023	07	31	13:05	67.3	66.6	0
20230731T131000	2023	07	31	13:10	67.6	66.7	0
20230731T131500	2023	07	31	13:15	68.4	66.2	0
20230731T132000	2023	07	31	13:20	68.6	66.3	0
20230731T132500	2023	07	31	13:25	69.3	65.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230731T133000	2023	07	31	13:30	66.3	67.2	0.024
20230731T133500	2023	07	31	13:35	61.3	80.1	0.002
20230731T134000	2023	07	31	13:40	61.7	84.2	0
20230731T134500	2023	07	31	13:45	61.7	84.8	0.003
20230731T135000	2023	07	31	13:50	61.7	85.1	0.005
20230731T135500	2023	07	31	13:55	61.9	84.8	0
20230731T140000	2023	07	31	14:00	62	87.2	0
20230731T140500	2023	07	31	14:05	62	88.3	0
20230731T141000	2023	07	31	14:10	63.8	90.3	0
20230731T141500	2023	07	31	14:15	65.7	85.8	0
20230731T142000	2023	07	31	14:20	67	82.6	0
20230731T142500	2023	07	31	14:25	67.1	77.9	0
20230731T143000	2023	07	31	14:30	65.4	77.4	0
20230731T143500	2023	07	31	14:35	65.9	79.9	0
20230731T144000	2023	07	31	14:40	67.4	76.9	0
20230731T144500	2023	07	31	14:45	68.6	68.6	0
20230731T145000	2023	07	31	14:50	68.4	67.7	0
20230731T145500	2023	07	31	14:55	68.8	67.1	0
20230731T150000	2023	07	31	15:00	68.6	65	0
20230731T150500	2023	07	31	15:05	69.2	63.3	0
20230731T151000	2023	07	31	15:10	68.4	62.1	0
20230731T151500	2023	07	31	15:15	69.1	61.8	0
20230731T152000	2023	07	31	15:20	69.2	60.6	0
20230731T152500	2023	07	31	15:25	69.4	59.5	0
20230731T153000	2023	07	31	15:30	69.5	58.3	0
20230731T153500	2023	07	31	15:35	69.6	58.7	0
20230731T154000	2023	07	31	15:40	69.5	55.3	0
20230731T154500	2023	07	31	15:45	69.7	57	0
20230731T155000	2023	07	31	15:50	69.8	55.1	0
20230731T155500	2023	07	31	15:55	69.7	56	0
20230731T160000	2023	07	31	16:00	68.5	56.6	0
20230731T160500	2023	07	31	16:05	69.4	57.6	0
20230731T161000	2023	07	31	16:10	69.7	55.3	0
20230731T161500	2023	07	31	16:15	68.7	55.6	0
20230731T162000	2023	07	31	16:20	69.4	57.6	0
20230731T162500	2023	07	31	16:25	69.8	56.6	0
20230731T163000	2023	07	31	16:30	69.5	56.3	0
20230731T163500	2023	07	31	16:35	68.9	57.2	0
20230731T164000	2023	07	31	16:40	68.7	56.9	0
20230731T164500	2023	07	31	16:45	68.8	56.7	0
20230731T165000	2023	07	31	16:50	69.2	54.8	0
20230731T165500	2023	07	31	16:55	69.2	53.7	0
20230731T170000	2023	07	31	17:00	68.9	53.4	0
20230731T170500	2023	07	31	17:05	68.9	53.2	0
20230731T171000	2023	07	31	17:10	69	52.2	0
20230731T171500	2023	07	31	17:15	68.8	53.4	0
20230731T172000	2023	07	31	17:20	68.9	53.1	0
20230731T172500	2023	07	31	17:25	69	52.9	0
20230731T173000	2023	07	31	17:30	68.9	55.1	0
20230731T173500	2023	07	31	17:35	68.6	53.2	0
20230731T174000	2023	07	31	17:40	68.6	53.5	0
20230731T174500	2023	07	31	17:45	68.3	53.5	0
20230731T175000	2023	07	31	17:50	68.5	56.1	0
20230731T175500	2023	07	31	17:55	68.6	56.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230731T180000	2023	07	31	18:00	68.4	55.4	0
20230731T180500	2023	07	31	18:05	68.5	57.4	0
20230731T181000	2023	07	31	18:10	68.1	56.9	0
20230731T181500	2023	07	31	18:15	67.9	56.7	0
20230731T182000	2023	07	31	18:20	66.8	58.1	0
20230731T182500	2023	07	31	18:25	67.2	59.4	0
20230731T183000	2023	07	31	18:30	67.6	58.7	0
20230731T183500	2023	07	31	18:35	67.4	58.3	0
20230731T184000	2023	07	31	18:40	67.1	57.5	0
20230731T184500	2023	07	31	18:45	67	56.2	0
20230731T185000	2023	07	31	18:50	66.9	55.2	0
20230731T185500	2023	07	31	18:55	66.7	56.2	0
20230731T190000	2023	07	31	19:00	66.5	56.2	0
20230731T190500	2023	07	31	19:05	66.3	56.2	0
20230731T191000	2023	07	31	19:10	65.9	57.5	0
20230731T191500	2023	07	31	19:15	65.9	57.6	0
20230731T192000	2023	07	31	19:20	65.7	57.4	0
20230731T192500	2023	07	31	19:25	65.3	58.7	0
20230731T193000	2023	07	31	19:30	65	59.7	0
20230731T193500	2023	07	31	19:35	64.3	62.1	0
20230731T194000	2023	07	31	19:40	64.3	62.7	0
20230731T194500	2023	07	31	19:45	64	63.1	0
20230731T195000	2023	07	31	19:50	63.7	63.9	0
20230731T195500	2023	07	31	19:55	63.4	64.6	0
20230731T200000	2023	07	31	20:00	62.8	66.1	0
20230731T200500	2023	07	31	20:05	61.9	68.1	0
20230731T201000	2023	07	31	20:10	62.1	68.7	0
20230731T201500	2023	07	31	20:15	61.7	70	0
20230731T202000	2023	07	31	20:20	61.3	70.9	0
20230731T202500	2023	07	31	20:25	61.1	71.8	0
20230731T203000	2023	07	31	20:30	60.9	72.2	0
20230731T203500	2023	07	31	20:35	60.3	73.4	0
20230731T204000	2023	07	31	20:40	60	74.5	0
20230731T204500	2023	07	31	20:45	59.1	77.5	0
20230731T205000	2023	07	31	20:50	58	80.3	0
20230731T205500	2023	07	31	20:55	57.8	81.5	0
20230731T210000	2023	07	31	21:00	58	82	0
20230731T210500	2023	07	31	21:05	56.9	84.1	0
20230731T211000	2023	07	31	21:10	56.6	86	0
20230731T211500	2023	07	31	21:15	56.5	85.6	0
20230731T212000	2023	07	31	21:20	56.3	86.3	0
20230731T212500	2023	07	31	21:25	56.1	86.5	0
20230731T213000	2023	07	31	21:30	55.4	88.1	0
20230731T213500	2023	07	31	21:35	54.4	90.4	0
20230731T214000	2023	07	31	21:40	54	92.5	0
20230731T214500	2023	07	31	21:45	54.4	94	0
20230731T215000	2023	07	31	21:50	55.1	94.8	0
20230731T215500	2023	07	31	21:55	55.4	95.1	0
20230731T220000	2023	07	31	22:00	55.2	94.1	0
20230731T220500	2023	07	31	22:05	55.1	94.6	0
20230731T221000	2023	07	31	22:10	54.5	95	0
20230731T221500	2023	07	31	22:15	54	95.4	0
20230731T222000	2023	07	31	22:20	53.9	95.8	0
20230731T222500	2023	07	31	22:25	53.9	96.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230731T223000	2023	07	31	22:30	53.1	96.2	0
20230731T223500	2023	07	31	22:35	52.5	96.3	0
20230731T224000	2023	07	31	22:40	52.6	97	0
20230731T224500	2023	07	31	22:45	52.8	97.2	0
20230731T225000	2023	07	31	22:50	53	97.3	0
20230731T225500	2023	07	31	22:55	52.7	97.2	0
20230731T230000	2023	07	31	23:00	52	97.4	0
20230731T230500	2023	07	31	23:05	51.8	97.4	0
20230731T231000	2023	07	31	23:10	51.1	97.2	0
20230731T231500	2023	07	31	23:15	51.8	97.9	0
20230731T232000	2023	07	31	23:20	51.8	97.9	0
20230731T232500	2023	07	31	23:25	51.4	97.9	0
20230731T233000	2023	07	31	23:30	51	98	0
20230731T233500	2023	07	31	23:35	51.2	98.1	0
20230731T234000	2023	07	31	23:40	50.8	98	0
20230731T234500	2023	07	31	23:45	51.1	98.3	0
20230731T235000	2023	07	31	23:50	51	98.3	0
20230731T235500	2023	07	31	23:55	50.2	98.3	0
20230801T000000	2023	08	01	00:00	50.1	98.3	0
20230801T000500	2023	08	01	00:05	50	98.2	0
20230801T001000	2023	08	01	00:10	50.2	98.6	0
20230801T001500	2023	08	01	00:15	50	98.6	0
20230801T002000	2023	08	01	00:20	49.8	98.5	0
20230801T002500	2023	08	01	00:25	49.9	98.7	0
20230801T003000	2023	08	01	00:30	49.2	98.5	0
20230801T003500	2023	08	01	00:35	49.7	98.9	0
20230801T004000	2023	08	01	00:40	50	99	0
20230801T004500	2023	08	01	00:45	50.1	99.1	0
20230801T005000	2023	08	01	00:50	50.1	99.2	0
20230801T005500	2023	08	01	00:55	49.7	98.9	0
20230801T010000	2023	08	01	01:00	49.7	99	0
20230801T010500	2023	08	01	01:05	49.7	99.1	0
20230801T011000	2023	08	01	01:10	49.6	99.1	0
20230801T011500	2023	08	01	01:15	49.7	99.2	0
20230801T012000	2023	08	01	01:20	49.7	99.2	0
20230801T012500	2023	08	01	01:25	49.5	99	0
20230801T013000	2023	08	01	01:30	49.4	99.2	0
20230801T013500	2023	08	01	01:35	49.4	99.4	0
20230801T014000	2023	08	01	01:40	49.1	99.2	0
20230801T014500	2023	08	01	01:45	49.1	99.1	0
20230801T015000	2023	08	01	01:50	49.2	99.3	0
20230801T015500	2023	08	01	01:55	50	99.7	0
20230801T020000	2023	08	01	02:00	50.5	99.6	0
20230801T020500	2023	08	01	02:05	50.8	99.5	0
20230801T021000	2023	08	01	02:10	50.6	99.4	0
20230801T021500	2023	08	01	02:15	50.4	99.4	0
20230801T022000	2023	08	01	02:20	50.2	99.3	0
20230801T022500	2023	08	01	02:25	50	99.3	0
20230801T023000	2023	08	01	02:30	49.8	99.2	0
20230801T023500	2023	08	01	02:35	49.9	99.3	0
20230801T024000	2023	08	01	02:40	50.5	99.7	0
20230801T024500	2023	08	01	02:45	50.9	99.7	0
20230801T025000	2023	08	01	02:50	51.2	99.6	0
20230801T025500	2023	08	01	02:55	51.2	99.5	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230801T030000	2023	08	01	03:00	51.3	99.5	0
20230801T030500	2023	08	01	03:05	51.4	99.6	0
20230801T031000	2023	08	01	03:10	51.5	99.5	0
20230801T031500	2023	08	01	03:15	51.4	99.5	0
20230801T032000	2023	08	01	03:20	51.6	99.5	0
20230801T032500	2023	08	01	03:25	51.5	99.5	0
20230801T033000	2023	08	01	03:30	51.9	99.6	0
20230801T033500	2023	08	01	03:35	51.7	99.4	0
20230801T034000	2023	08	01	03:40	51.8	99.5	0
20230801T034500	2023	08	01	03:45	52.9	99.8	0
20230801T035000	2023	08	01	03:50	52	99.2	0
20230801T035500	2023	08	01	03:55	51.9	99.4	0
20230801T040000	2023	08	01	04:00	52	99.4	0
20230801T040500	2023	08	01	04:05	52	99.4	0
20230801T041000	2023	08	01	04:10	52.3	99.5	0
20230801T041500	2023	08	01	04:15	52.4	99.5	0
20230801T042000	2023	08	01	04:20	52.5	99.4	0
20230801T042500	2023	08	01	04:25	52.5	99.5	0
20230801T043000	2023	08	01	04:30	52.5	99.6	0
20230801T043500	2023	08	01	04:35	52.3	99.4	0
20230801T044000	2023	08	01	04:40	52.1	99.4	0
20230801T044500	2023	08	01	04:45	51.9	99.3	0
20230801T045000	2023	08	01	04:50	51.9	99.4	0
20230801T045500	2023	08	01	04:55	51.4	99.3	0
20230801T050000	2023	08	01	05:00	51.3	99.3	0
20230801T050500	2023	08	01	05:05	50.9	99.3	0
20230801T051000	2023	08	01	05:10	50.2	99.2	0
20230801T051500	2023	08	01	05:15	50	99.1	0
20230801T052000	2023	08	01	05:20	49.5	99.2	0
20230801T052500	2023	08	01	05:25	49	99.1	0
20230801T053000	2023	08	01	05:30	49.1	99.5	0
20230801T053500	2023	08	01	05:35	48.9	99.4	0
20230801T054000	2023	08	01	05:40	48.1	99.3	0
20230801T054500	2023	08	01	05:45	48.7	99.6	0
20230801T055000	2023	08	01	05:50	48.9	99.6	0
20230801T055500	2023	08	01	05:55	48.2	99.4	0
20230801T060000	2023	08	01	06:00	47.9	99.3	0
20230801T060500	2023	08	01	06:05	47.7	99.4	0
20230801T061000	2023	08	01	06:10	47.9	99.7	0
20230801T061500	2023	08	01	06:15	47.7	99.5	0
20230801T062000	2023	08	01	06:20	48.3	99.7	0
20230801T062500	2023	08	01	06:25	48.3	99.7	0
20230801T063000	2023	08	01	06:30	48.4	99.8	0
20230801T063500	2023	08	01	06:35	47.8	99.4	0
20230801T064000	2023	08	01	06:40	48.2	99.5	0
20230801T064500	2023	08	01	06:45	48.7	99.6	0
20230801T065000	2023	08	01	06:50	49.5	99.8	0
20230801T065500	2023	08	01	06:55	50.5	99.9	0
20230801T070000	2023	08	01	07:00	50.5	99.1	0
20230801T070500	2023	08	01	07:05	50.9	99.2	0
20230801T071000	2023	08	01	07:10	51.5	99.3	0
20230801T071500	2023	08	01	07:15	52.2	98.7	0
20230801T072000	2023	08	01	07:20	52.6	97.9	0
20230801T072500	2023	08	01	07:25	52.6	97.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230801T073000	2023	08	01	07:30	53.5	95	0
20230801T073500	2023	08	01	07:35	53.3	92.8	0
20230801T074000	2023	08	01	07:40	54.2	89.6	0
20230801T074500	2023	08	01	07:45	54.4	88.5	0
20230801T075000	2023	08	01	07:50	54.6	88.6	0
20230801T075500	2023	08	01	07:55	55.1	86.7	0
20230801T080000	2023	08	01	08:00	55.9	83.5	0
20230801T080500	2023	08	01	08:05	55.9	76.6	0
20230801T081000	2023	08	01	08:10	55.9	77.8	0
20230801T081500	2023	08	01	08:15	56.1	79.6	0
20230801T082000	2023	08	01	08:20	56.3	80.4	0
20230801T082500	2023	08	01	08:25	56.7	80.8	0
20230801T083000	2023	08	01	08:30	57	81.4	0
20230801T083500	2023	08	01	08:35	57.6	81.5	0
20230801T084000	2023	08	01	08:40	59.2	79.7	0
20230801T084500	2023	08	01	08:45	59.9	80	0
20230801T085000	2023	08	01	08:50	60.2	78.2	0
20230801T085500	2023	08	01	08:55	60.2	76	0
20230801T090000	2023	08	01	09:00	60.8	75.7	0
20230801T090500	2023	08	01	09:05	61.1	73.2	0
20230801T091000	2023	08	01	09:10	61.4	69.3	0
20230801T091500	2023	08	01	09:15	61.9	66.6	0
20230801T092000	2023	08	01	09:20	62	63.7	0
20230801T092500	2023	08	01	09:25	61.9	63.5	0
20230801T093000	2023	08	01	09:30	62.1	62.7	0
20230801T093500	2023	08	01	09:35	62.6	63.6	0
20230801T094000	2023	08	01	09:40	63.1	62.5	0
20230801T094500	2023	08	01	09:45	63.2	62.7	0
20230801T095000	2023	08	01	09:50	63	60.4	0
20230801T095500	2023	08	01	09:55	63.4	63.5	0
20230801T100000	2023	08	01	10:00	63.4	58.5	0
20230801T100500	2023	08	01	10:05	63.6	56.9	0
20230801T101000	2023	08	01	10:10	63.5	57.8	0
20230801T101500	2023	08	01	10:15	63.4	57	0
20230801T102000	2023	08	01	10:20	63.9	57.7	0
20230801T102500	2023	08	01	10:25	64.2	58.7	0
20230801T103000	2023	08	01	10:30	64.2	56.2	0
20230801T103500	2023	08	01	10:35	64.4	55.6	0
20230801T104000	2023	08	01	10:40	64.1	53.9	0
20230801T104500	2023	08	01	10:45	64.5	54.7	0
20230801T105000	2023	08	01	10:50	63.9	53	0
20230801T105500	2023	08	01	10:55	64.2	54.1	0
20230801T110000	2023	08	01	11:00	64.8	54.6	0
20230801T110500	2023	08	01	11:05	64.3	52.6	0
20230801T111000	2023	08	01	11:10	64.5	54.9	0
20230801T111500	2023	08	01	11:15	65	55.2	0
20230801T112000	2023	08	01	11:20	65.2	53.7	0
20230801T112500	2023	08	01	11:25	64.9	52.9	0
20230801T113000	2023	08	01	11:30	65	55.4	0
20230801T113500	2023	08	01	11:35	65.3	54.7	0
20230801T114000	2023	08	01	11:40	65	54.1	0
20230801T114500	2023	08	01	11:45	64.8	54.2	0
20230801T115000	2023	08	01	11:50	65.6	53.9	0
20230801T115500	2023	08	01	11:55	65.5	50.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230801T120000	2023	08	01	12:00	66	49.4	0
20230801T120500	2023	08	01	12:05	65.7	48.4	0
20230801T121000	2023	08	01	12:10	66	48.8	0
20230801T121500	2023	08	01	12:15	66.2	48.6	0
20230801T122000	2023	08	01	12:20	66.5	48.2	0
20230801T122500	2023	08	01	12:25	66	48.7	0
20230801T123000	2023	08	01	12:30	66.2	49.5	0
20230801T123500	2023	08	01	12:35	66.2	49.9	0
20230801T124000	2023	08	01	12:40	66.2	49.6	0
20230801T124500	2023	08	01	12:45	66.8	48.2	0
20230801T125000	2023	08	01	12:50	66.7	50.9	0
20230801T125500	2023	08	01	12:55	67.3	45.4	0
20230801T130000	2023	08	01	13:00	66.8	45.2	0
20230801T130500	2023	08	01	13:05	66.9	45	0
20230801T131000	2023	08	01	13:10	67.3	46.7	0
20230801T131500	2023	08	01	13:15	67.2	47.7	0
20230801T132000	2023	08	01	13:20	67.2	48.8	0
20230801T132500	2023	08	01	13:25	67.2	48.9	0
20230801T133000	2023	08	01	13:30	67.9	49.8	0
20230801T133500	2023	08	01	13:35	67.3	46.7	0
20230801T134000	2023	08	01	13:40	67.3	47.4	0
20230801T134500	2023	08	01	13:45	66.5	45.9	0
20230801T135000	2023	08	01	13:50	66.4	48.8	0
20230801T135500	2023	08	01	13:55	67.7	48	0
20230801T140000	2023	08	01	14:00	67.7	47.3	0
20230801T140500	2023	08	01	14:05	67.5	46.8	0
20230801T141000	2023	08	01	14:10	65.7	45.8	0
20230801T141500	2023	08	01	14:15	66.4	46.4	0
20230801T142000	2023	08	01	14:20	67.6	47.7	0
20230801T142500	2023	08	01	14:25	68.1	47.1	0
20230801T143000	2023	08	01	14:30	67.6	46.1	0
20230801T143500	2023	08	01	14:35	67.5	45.7	0
20230801T144000	2023	08	01	14:40	68	45.9	0
20230801T144500	2023	08	01	14:45	67.8	44	0
20230801T145000	2023	08	01	14:50	67.9	45.4	0
20230801T145500	2023	08	01	14:55	68.5	45.5	0
20230801T150000	2023	08	01	15:00	68.2	42.9	0
20230801T150500	2023	08	01	15:05	68.1	45	0
20230801T151000	2023	08	01	15:10	68.3	46.4	0
20230801T151500	2023	08	01	15:15	66.7	46	0
20230801T152000	2023	08	01	15:20	66.6	45.8	0
20230801T152500	2023	08	01	15:25	67.4	47.5	0
20230801T153000	2023	08	01	15:30	67.4	45.5	0
20230801T153500	2023	08	01	15:35	66.8	45.6	0
20230801T154000	2023	08	01	15:40	68.2	45.2	0
20230801T154500	2023	08	01	15:45	68.4	43.5	0
20230801T155000	2023	08	01	15:50	68.4	43.3	0
20230801T155500	2023	08	01	15:55	68.1	44.1	0
20230801T160000	2023	08	01	16:00	68.1	44.7	0
20230801T160500	2023	08	01	16:05	67.9	44	0
20230801T161000	2023	08	01	16:10	67.8	42.4	0
20230801T161500	2023	08	01	16:15	68.1	42	0
20230801T162000	2023	08	01	16:20	68.3	42.9	0
20230801T162500	2023	08	01	16:25	67.8	41.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230801T163000	2023	08	01	16:30	68.2	42.7	0
20230801T163500	2023	08	01	16:35	68.2	45.1	0
20230801T164000	2023	08	01	16:40	68	41.8	0
20230801T164500	2023	08	01	16:45	68.6	42.9	0
20230801T165000	2023	08	01	16:50	68.5	43.4	0
20230801T165500	2023	08	01	16:55	68.5	42.6	0
20230801T170000	2023	08	01	17:00	68.2	41.6	0
20230801T170500	2023	08	01	17:05	67.9	42.4	0
20230801T171000	2023	08	01	17:10	68	44.5	0
20230801T171500	2023	08	01	17:15	68	43.6	0
20230801T172000	2023	08	01	17:20	67.5	45.3	0
20230801T172500	2023	08	01	17:25	67.8	44.5	0
20230801T173000	2023	08	01	17:30	67.8	44	0
20230801T173500	2023	08	01	17:35	67.5	44.4	0
20230801T174000	2023	08	01	17:40	67.4	44.9	0
20230801T174500	2023	08	01	17:45	67.2	45.2	0
20230801T175000	2023	08	01	17:50	67	45.9	0
20230801T175500	2023	08	01	17:55	67.3	44.4	0
20230801T180000	2023	08	01	18:00	67.2	44.9	0
20230801T180500	2023	08	01	18:05	67.2	43.7	0
20230801T181000	2023	08	01	18:10	67.2	43.9	0
20230801T181500	2023	08	01	18:15	66.8	45.4	0
20230801T182000	2023	08	01	18:20	67	44.2	0
20230801T182500	2023	08	01	18:25	66.6	44.8	0
20230801T183000	2023	08	01	18:30	66.4	45.8	0
20230801T183500	2023	08	01	18:35	66.6	46.1	0
20230801T184000	2023	08	01	18:40	66.4	48.1	0
20230801T184500	2023	08	01	18:45	66.2	47.7	0
20230801T185000	2023	08	01	18:50	66.3	46.9	0
20230801T185500	2023	08	01	18:55	66.2	47.3	0
20230801T190000	2023	08	01	19:00	65.9	47.9	0
20230801T190500	2023	08	01	19:05	65.6	49.5	0
20230801T191000	2023	08	01	19:10	65.5	49.4	0
20230801T191500	2023	08	01	19:15	65.3	49	0
20230801T192000	2023	08	01	19:20	65	50.1	0
20230801T192500	2023	08	01	19:25	64.8	50.9	0
20230801T193000	2023	08	01	19:30	64.4	51.6	0
20230801T193500	2023	08	01	19:35	63.8	53.4	0
20230801T194000	2023	08	01	19:40	62.7	55.6	0
20230801T194500	2023	08	01	19:45	62	56.9	0
20230801T195000	2023	08	01	19:50	61.6	58.2	0
20230801T195500	2023	08	01	19:55	61	59.5	0
20230801T200000	2023	08	01	20:00	60.8	60.4	0
20230801T200500	2023	08	01	20:05	59.6	63.8	0
20230801T201000	2023	08	01	20:10	59.2	66.4	0
20230801T201500	2023	08	01	20:15	59.1	66.8	0
20230801T202000	2023	08	01	20:20	59.2	66.7	0
20230801T202500	2023	08	01	20:25	58.2	69	0
20230801T203000	2023	08	01	20:30	57	71.8	0
20230801T203500	2023	08	01	20:35	56.4	74.2	0
20230801T204000	2023	08	01	20:40	55.2	81.8	0
20230801T204500	2023	08	01	20:45	54.7	85.8	0
20230801T205000	2023	08	01	20:50	54.7	81.7	0
20230801T205500	2023	08	01	20:55	54.8	81.4	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230801T210000	2023	08	01	21:00	53.6	84.2	0
20230801T210500	2023	08	01	21:05	53.2	87.6	0
20230801T211000	2023	08	01	21:10	52.9	90	0
20230801T211500	2023	08	01	21:15	51.9	91.9	0
20230801T212000	2023	08	01	21:20	52.9	94.1	0
20230801T212500	2023	08	01	21:25	52.5	92.8	0
20230801T213000	2023	08	01	21:30	52.9	92	0
20230801T213500	2023	08	01	21:35	52.3	90.1	0
20230801T214000	2023	08	01	21:40	51.8	89.9	0
20230801T214500	2023	08	01	21:45	51.2	92.5	0
20230801T215000	2023	08	01	21:50	51.2	94.2	0
20230801T215500	2023	08	01	21:55	50.9	94.7	0
20230801T220000	2023	08	01	22:00	51.3	94.6	0
20230801T220500	2023	08	01	22:05	51.1	93.4	0
20230801T221000	2023	08	01	22:10	51	92.9	0
20230801T221500	2023	08	01	22:15	50	93.6	0
20230801T222000	2023	08	01	22:20	50.2	95.2	0
20230801T222500	2023	08	01	22:25	49.6	95.5	0
20230801T223000	2023	08	01	22:30	49.4	95.7	0
20230801T223500	2023	08	01	22:35	50.1	96.5	0
20230801T224000	2023	08	01	22:40	49.6	96.1	0
20230801T224500	2023	08	01	22:45	49	95.7	0
20230801T225000	2023	08	01	22:50	49.2	95.8	0
20230801T225500	2023	08	01	22:55	48.6	96.6	0
20230801T230000	2023	08	01	23:00	48.4	96.8	0
20230801T230500	2023	08	01	23:05	48.5	97	0
20230801T231000	2023	08	01	23:10	49.1	97.4	0
20230801T231500	2023	08	01	23:15	48.6	97.3	0
20230801T232000	2023	08	01	23:20	48.1	97.4	0
20230801T232500	2023	08	01	23:25	48.5	97.7	0
20230801T233000	2023	08	01	23:30	48	97.5	0
20230801T233500	2023	08	01	23:35	47.8	97.6	0
20230801T234000	2023	08	01	23:40	48.3	97.9	0
20230801T234500	2023	08	01	23:45	48.2	98	0
20230801T235000	2023	08	01	23:50	47.6	97.8	0
20230801T235500	2023	08	01	23:55	47.6	97.9	0
20230802T000000	2023	08	02	00:00	48.3	98.2	0
20230802T000500	2023	08	02	00:05	47.3	97.9	0
20230802T001000	2023	08	02	00:10	46.8	97.7	0
20230802T001500	2023	08	02	00:15	47.3	98.3	0
20230802T002000	2023	08	02	00:20	47.3	98.1	0
20230802T002500	2023	08	02	00:25	47.4	98.4	0
20230802T003000	2023	08	02	00:30	47.2	98.5	0
20230802T003500	2023	08	02	00:35	47.2	98.4	0
20230802T004000	2023	08	02	00:40	47.2	98.5	0
20230802T004500	2023	08	02	00:45	47.3	98.6	0
20230802T005000	2023	08	02	00:50	47.3	98.6	0
20230802T005500	2023	08	02	00:55	47.4	98.7	0
20230802T010000	2023	08	02	01:00	47.2	98.5	0
20230802T010500	2023	08	02	01:05	47.2	98.5	0
20230802T011000	2023	08	02	01:10	46.2	98.2	0
20230802T011500	2023	08	02	01:15	46.2	98.3	0
20230802T012000	2023	08	02	01:20	46.6	98.5	0
20230802T012500	2023	08	02	01:25	46.7	98.7	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230802T013000	2023	08	02	01:30	46.4	98.7	0
20230802T013500	2023	08	02	01:35	46.7	98.8	0
20230802T014000	2023	08	02	01:40	46.1	98.7	0
20230802T014500	2023	08	02	01:45	45.7	98.5	0
20230802T015000	2023	08	02	01:50	45.5	98.7	0
20230802T015500	2023	08	02	01:55	45.6	98.6	0
20230802T020000	2023	08	02	02:00	46.1	99	0
20230802T020500	2023	08	02	02:05	45.9	99.1	0
20230802T021000	2023	08	02	02:10	45.4	99	0
20230802T021500	2023	08	02	02:15	45.5	98.9	0
20230802T022000	2023	08	02	02:20	45.8	98.9	0
20230802T022500	2023	08	02	02:25	45.4	99.1	0
20230802T023000	2023	08	02	02:30	45	99.1	0
20230802T023500	2023	08	02	02:35	44.9	99	0
20230802T024000	2023	08	02	02:40	45.3	99.1	0
20230802T024500	2023	08	02	02:45	45.1	99.2	0
20230802T025000	2023	08	02	02:50	44.9	99.1	0
20230802T025500	2023	08	02	02:55	45	99.2	0
20230802T030000	2023	08	02	03:00	45	99.3	0
20230802T030500	2023	08	02	03:05	44.8	99.4	0
20230802T031000	2023	08	02	03:10	44.7	99.2	0
20230802T031500	2023	08	02	03:15	44.7	99.3	0
20230802T032000	2023	08	02	03:20	44.6	99.4	0
20230802T032500	2023	08	02	03:25	44.4	99.3	0
20230802T033000	2023	08	02	03:30	44.1	99.3	0
20230802T033500	2023	08	02	03:35	44.3	99.3	0
20230802T034000	2023	08	02	03:40	44	99.5	0
20230802T034500	2023	08	02	03:45	44	99.4	0
20230802T035000	2023	08	02	03:50	44.1	99.4	0
20230802T035500	2023	08	02	03:55	43.7	99.4	0
20230802T040000	2023	08	02	04:00	43.7	99.4	0
20230802T040500	2023	08	02	04:05	43.9	99.4	0
20230802T041000	2023	08	02	04:10	43.7	99.5	0
20230802T041500	2023	08	02	04:15	43.8	99.5	0
20230802T042000	2023	08	02	04:20	43.9	99.7	0
20230802T042500	2023	08	02	04:25	43.7	99.6	0
20230802T043000	2023	08	02	04:30	43.5	99.7	0
20230802T043500	2023	08	02	04:35	43.6	99.4	0
20230802T044000	2023	08	02	04:40	43.6	99.6	0
20230802T044500	2023	08	02	04:45	43.5	99.6	0
20230802T045000	2023	08	02	04:50	43.6	99.6	0
20230802T045500	2023	08	02	04:55	43.6	99.8	0
20230802T050000	2023	08	02	05:00	43.3	99.6	0
20230802T050500	2023	08	02	05:05	43.1	99.5	0
20230802T051000	2023	08	02	05:10	43.1	99.7	0
20230802T051500	2023	08	02	05:15	42.9	99.7	0
20230802T052000	2023	08	02	05:20	42.7	99.5	0
20230802T052500	2023	08	02	05:25	42.4	99.5	0
20230802T053000	2023	08	02	05:30	42.8	99.7	0
20230802T053500	2023	08	02	05:35	43	99.7	0
20230802T054000	2023	08	02	05:40	43.4	100	0
20230802T054500	2023	08	02	05:45	43.4	99.9	0
20230802T055000	2023	08	02	05:50	43.4	99.8	0
20230802T055500	2023	08	02	05:55	43.4	99.8	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230802T060000	2023	08	02	06:00	43.3	99.7	0
20230802T060500	2023	08	02	06:05	43.5	99.9	0
20230802T061000	2023	08	02	06:10	43.4	99.8	0
20230802T061500	2023	08	02	06:15	43.4	99.8	0
20230802T062000	2023	08	02	06:20	43.4	99.9	0
20230802T062500	2023	08	02	06:25	43.6	99.9	0
20230802T063000	2023	08	02	06:30	43.6	99.8	0
20230802T063500	2023	08	02	06:35	43.6	99.9	0
20230802T064000	2023	08	02	06:40	44	100	0
20230802T064500	2023	08	02	06:45	44	99.8	0
20230802T065000	2023	08	02	06:50	44.1	99.8	0
20230802T065500	2023	08	02	06:55	44.2	99.9	0
20230802T070000	2023	08	02	07:00	44.4	99.9	0
20230802T070500	2023	08	02	07:05	44.7	99.9	0
20230802T071000	2023	08	02	07:10	45.1	99.9	0
20230802T071500	2023	08	02	07:15	45.4	99.9	0
20230802T072000	2023	08	02	07:20	46	99.9	0
20230802T072500	2023	08	02	07:25	46.5	99.8	0
20230802T073000	2023	08	02	07:30	47.3	100	0
20230802T073500	2023	08	02	07:35	47.8	99.9	0
20230802T074000	2023	08	02	07:40	47.8	99.5	0
20230802T074500	2023	08	02	07:45	48.2	99.5	0
20230802T075000	2023	08	02	07:50	48.8	99.6	0
20230802T075500	2023	08	02	07:55	48.7	99.1	0
20230802T080000	2023	08	02	08:00	49.4	99.7	0
20230802T080500	2023	08	02	08:05	50	99.4	0
20230802T081000	2023	08	02	08:10	50.8	99.3	0
20230802T081500	2023	08	02	08:15	51.6	98.8	0
20230802T082000	2023	08	02	08:20	52.1	98	0
20230802T082500	2023	08	02	08:25	52.1	97	0
20230802T083000	2023	08	02	08:30	52.6	96.1	0
20230802T083500	2023	08	02	08:35	53.5	95.2	0
20230802T084000	2023	08	02	08:40	54.1	93.5	0
20230802T084500	2023	08	02	08:45	54.3	91.2	0
20230802T085000	2023	08	02	08:50	54.9	90.5	0
20230802T085500	2023	08	02	08:55	55.5	90	0
20230802T090000	2023	08	02	09:00	55.4	89.2	0
20230802T090500	2023	08	02	09:05	56.1	89.2	0
20230802T091000	2023	08	02	09:10	56	87.9	0
20230802T091500	2023	08	02	09:15	56.8	88.8	0
20230802T092000	2023	08	02	09:20	57.4	85.8	0
20230802T092500	2023	08	02	09:25	58	84.2	0
20230802T093000	2023	08	02	09:30	58.2	81.5	0
20230802T093500	2023	08	02	09:35	58	80.1	0
20230802T094000	2023	08	02	09:40	58.2	80.3	0
20230802T094500	2023	08	02	09:45	59.3	80.6	0
20230802T095000	2023	08	02	09:50	60.7	80.9	0
20230802T095500	2023	08	02	09:55	62.9	77.4	0
20230802T100000	2023	08	02	10:00	64.6	75.8	0
20230802T100500	2023	08	02	10:05	65.2	72.3	0
20230802T101000	2023	08	02	10:10	65.8	70.7	0
20230802T101500	2023	08	02	10:15	65.9	69.9	0
20230802T102000	2023	08	02	10:20	66.3	69.7	0
20230802T102500	2023	08	02	10:25	66.2	67.9	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230802T103000	2023	08	02	10:30	67	67.2	0
20230802T103500	2023	08	02	10:35	67.2	66.8	0
20230802T104000	2023	08	02	10:40	67.4	64.7	0
20230802T104500	2023	08	02	10:45	68.1	65.5	0
20230802T105000	2023	08	02	10:50	68.4	63.3	0
20230802T105500	2023	08	02	10:55	68.4	62.6	0
20230802T110000	2023	08	02	11:00	68.5	60.3	0
20230802T110500	2023	08	02	11:05	67.5	59.4	0
20230802T111000	2023	08	02	11:10	68	62	0
20230802T111500	2023	08	02	11:15	69.2	60.2	0
20230802T112000	2023	08	02	11:20	69.1	58	0
20230802T112500	2023	08	02	11:25	69.4	56.8	0
20230802T113000	2023	08	02	11:30	70.2	57.2	0
20230802T113500	2023	08	02	11:35	69.8	54.5	0
20230802T114000	2023	08	02	11:40	69.4	52.7	0
20230802T114500	2023	08	02	11:45	68.5	53.2	0
20230802T115000	2023	08	02	11:50	68.5	51.1	0
20230802T115500	2023	08	02	11:55	69.6	48.6	0
20230802T120000	2023	08	02	12:00	70.1	48.1	0
20230802T120500	2023	08	02	12:05	70.5	50	0
20230802T121000	2023	08	02	12:10	69.8	51.4	0
20230802T121500	2023	08	02	12:15	68.4	50.8	0
20230802T122000	2023	08	02	12:20	67.9	53.8	0
20230802T122500	2023	08	02	12:25	69.7	56.1	0
20230802T123000	2023	08	02	12:30	70.6	49	0
20230802T123500	2023	08	02	12:35	70.5	46.8	0
20230802T124000	2023	08	02	12:40	70.1	46.2	0
20230802T124500	2023	08	02	12:45	69.5	47.3	0
20230802T125000	2023	08	02	12:50	70	50.4	0
20230802T125500	2023	08	02	12:55	71.5	51.6	0
20230802T130000	2023	08	02	13:00	70.7	48.1	0
20230802T130500	2023	08	02	13:05	70.6	49	0
20230802T131000	2023	08	02	13:10	71.2	45.6	0
20230802T131500	2023	08	02	13:15	70.2	47.3	0
20230802T132000	2023	08	02	13:20	69.3	53	0
20230802T132500	2023	08	02	13:25	68.5	56	0
20230802T133000	2023	08	02	13:30	69.1	52.6	0
20230802T133500	2023	08	02	13:35	70.2	55.1	0
20230802T134000	2023	08	02	13:40	70.1	54.2	0
20230802T134500	2023	08	02	13:45	69.8	55.1	0
20230802T135000	2023	08	02	13:50	69.7	56.1	0
20230802T135500	2023	08	02	13:55	70	55.5	0
20230802T140000	2023	08	02	14:00	69.4	53.2	0
20230802T140500	2023	08	02	14:05	69.6	52.8	0
20230802T141000	2023	08	02	14:10	69.8	55.8	0
20230802T141500	2023	08	02	14:15	69.9	57	0
20230802T142000	2023	08	02	14:20	71.3	55.2	0
20230802T142500	2023	08	02	14:25	70.3	52.8	0
20230802T143000	2023	08	02	14:30	69.7	55.2	0
20230802T143500	2023	08	02	14:35	69.5	52.8	0
20230802T144000	2023	08	02	14:40	69.7	54.6	0
20230802T144500	2023	08	02	14:45	69.5	56.3	0
20230802T145000	2023	08	02	14:50	70.8	56.9	0
20230802T145500	2023	08	02	14:55	70.8	55.1	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230802T150000	2023	08	02	15:00	70.5	53.9	0
20230802T150500	2023	08	02	15:05	70.5	55.8	0
20230802T151000	2023	08	02	15:10	70.6	54.6	0
20230802T151500	2023	08	02	15:15	70.5	55.5	0
20230802T152000	2023	08	02	15:20	70.5	56.7	0
20230802T152500	2023	08	02	15:25	70.1	56.2	0
20230802T153000	2023	08	02	15:30	70.1	56.2	0
20230802T153500	2023	08	02	15:35	69.5	61.9	0
20230802T154000	2023	08	02	15:40	69.1	58.7	0
20230802T154500	2023	08	02	15:45	69.3	58.4	0
20230802T155000	2023	08	02	15:50	70.3	58	0
20230802T155500	2023	08	02	15:55	71.3	53.4	0
20230802T160000	2023	08	02	16:00	71.5	49.8	0
20230802T160500	2023	08	02	16:05	71.8	49.8	0
20230802T161000	2023	08	02	16:10	71	49.6	0
20230802T161500	2023	08	02	16:15	70.1	53.4	0
20230802T162000	2023	08	02	16:20	69.9	55.7	0
20230802T162500	2023	08	02	16:25	71.7	53.9	0
20230802T163000	2023	08	02	16:30	73	52.3	0
20230802T163500	2023	08	02	16:35	72.9	49.1	0
20230802T164000	2023	08	02	16:40	72.9	48.4	0
20230802T164500	2023	08	02	16:45	72.8	49.8	0
20230802T165000	2023	08	02	16:50	72.4	46.2	0
20230802T165500	2023	08	02	16:55	72.9	44.3	0
20230802T170000	2023	08	02	17:00	72.6	42.5	0
20230802T170500	2023	08	02	17:05	72.7	42.2	0
20230802T171000	2023	08	02	17:10	72.7	42.8	0
20230802T171500	2023	08	02	17:15	72.6	41	0
20230802T172000	2023	08	02	17:20	72.7	42	0
20230802T172500	2023	08	02	17:25	72.4	40.9	0
20230802T173000	2023	08	02	17:30	72.5	43.5	0
20230802T173500	2023	08	02	17:35	72.8	43.7	0
20230802T174000	2023	08	02	17:40	72.9	45.2	0
20230802T174500	2023	08	02	17:45	72.3	40.9	0
20230802T175000	2023	08	02	17:50	72.4	40.9	0
20230802T175500	2023	08	02	17:55	73	43.7	0
20230802T180000	2023	08	02	18:00	72.5	44.4	0
20230802T180500	2023	08	02	18:05	72.4	45.2	0
20230802T181000	2023	08	02	18:10	72.3	43.8	0
20230802T181500	2023	08	02	18:15	71.9	43.7	0
20230802T182000	2023	08	02	18:20	72	47	0
20230802T182500	2023	08	02	18:25	71.9	51.3	0
20230802T183000	2023	08	02	18:30	72.2	52	0
20230802T183500	2023	08	02	18:35	72.1	56.8	0
20230802T184000	2023	08	02	18:40	72.2	54.3	0
20230802T184500	2023	08	02	18:45	71.7	54.3	0
20230802T185000	2023	08	02	18:50	71.1	57.3	0
20230802T185500	2023	08	02	18:55	70.3	57.4	0
20230802T190000	2023	08	02	19:00	69.9	55.7	0
20230802T190500	2023	08	02	19:05	69.1	58.1	0
20230802T191000	2023	08	02	19:10	68.3	61.2	0
20230802T191500	2023	08	02	19:15	67.2	63.6	0
20230802T192000	2023	08	02	19:20	66.5	66.4	0
20230802T192500	2023	08	02	19:25	65.9	69.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230802T193000	2023	08	02	19:30	65.5	72.3	0
20230802T193500	2023	08	02	19:35	64.9	74.8	0
20230802T194000	2023	08	02	19:40	64.7	74.3	0
20230802T194500	2023	08	02	19:45	64	75.7	0
20230802T195000	2023	08	02	19:50	63.3	77.6	0
20230802T195500	2023	08	02	19:55	62.7	79.4	0
20230802T200000	2023	08	02	20:00	61.2	80.2	0
20230802T200500	2023	08	02	20:05	60.8	79.7	0
20230802T201000	2023	08	02	20:10	60.5	77.4	0
20230802T201500	2023	08	02	20:15	59.9	78.6	0
20230802T202000	2023	08	02	20:20	58.8	79.5	0
20230802T202500	2023	08	02	20:25	58.3	81.6	0
20230802T203000	2023	08	02	20:30	57.1	83.7	0
20230802T203500	2023	08	02	20:35	57.1	86	0
20230802T204000	2023	08	02	20:40	56.9	89.6	0
20230802T204500	2023	08	02	20:45	56.1	92.2	0
20230802T205000	2023	08	02	20:50	55.5	93.3	0
20230802T205500	2023	08	02	20:55	55.8	94	0
20230802T210000	2023	08	02	21:00	56.5	94.4	0
20230802T210500	2023	08	02	21:05	55.7	93.2	0
20230802T211000	2023	08	02	21:10	55.2	94.2	0
20230802T211500	2023	08	02	21:15	54.1	94.5	0
20230802T212000	2023	08	02	21:20	54.9	94.8	0
20230802T212500	2023	08	02	21:25	54.9	95.3	0
20230802T213000	2023	08	02	21:30	54.1	95.6	0
20230802T213500	2023	08	02	21:35	53.6	96.3	0
20230802T214000	2023	08	02	21:40	53.1	96.3	0
20230802T214500	2023	08	02	21:45	53.2	96.6	0
20230802T215000	2023	08	02	21:50	53.8	97.1	0
20230802T215500	2023	08	02	21:55	53	97.1	0
20230802T220000	2023	08	02	22:00	53	97	0
20230802T220500	2023	08	02	22:05	52.9	97.3	0
20230802T221000	2023	08	02	22:10	53	97.4	0
20230802T221500	2023	08	02	22:15	53.4	97.4	0
20230802T222000	2023	08	02	22:20	52.9	97.4	0
20230802T222500	2023	08	02	22:25	52.6	97.3	0
20230802T223000	2023	08	02	22:30	52.6	97.3	0
20230802T223500	2023	08	02	22:35	53	97.7	0
20230802T224000	2023	08	02	22:40	52.8	97.6	0
20230802T224500	2023	08	02	22:45	52.1	97.7	0
20230802T225000	2023	08	02	22:50	51.8	97.5	0
20230802T225500	2023	08	02	22:55	51.9	97.7	0
20230802T230000	2023	08	02	23:00	52.3	98	0
20230802T230500	2023	08	02	23:05	52.1	97.8	0
20230802T231000	2023	08	02	23:10	52.3	98.2	0
20230802T231500	2023	08	02	23:15	52	98.2	0
20230802T232000	2023	08	02	23:20	51.9	98.1	0
20230802T232500	2023	08	02	23:25	51.9	98.3	0
20230802T233000	2023	08	02	23:30	51.9	98.4	0
20230802T233500	2023	08	02	23:35	52.3	98.4	0
20230802T234000	2023	08	02	23:40	52.5	98.4	0
20230802T234500	2023	08	02	23:45	52.6	98.4	0
20230802T235000	2023	08	02	23:50	53	98.6	0
20230802T235500	2023	08	02	23:55	52.8	98.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230803T000000	2023	08	03	00:00	52.9	98.1	0
20230803T000500	2023	08	03	00:05	52.7	98	0
20230803T001000	2023	08	03	00:10	52.7	98	0
20230803T001500	2023	08	03	00:15	52.8	97.9	0
20230803T002000	2023	08	03	00:20	52.7	97.8	0
20230803T002500	2023	08	03	00:25	52.5	97.6	0
20230803T003000	2023	08	03	00:30	52.6	97.7	0
20230803T003500	2023	08	03	00:35	52.9	97.7	0
20230803T004000	2023	08	03	00:40	52.9	97.5	0
20230803T004500	2023	08	03	00:45	52.9	97.4	0
20230803T005000	2023	08	03	00:50	52.7	97.2	0
20230803T005500	2023	08	03	00:55	52.6	97	0
20230803T010000	2023	08	03	01:00	52.7	97.1	0
20230803T010500	2023	08	03	01:05	53	97.1	0
20230803T011000	2023	08	03	01:10	52.9	96.6	0
20230803T011500	2023	08	03	01:15	52.5	96.2	0
20230803T012000	2023	08	03	01:20	52.1	96.3	0
20230803T012500	2023	08	03	01:25	52.4	96.8	0
20230803T013000	2023	08	03	01:30	52.7	96.6	0
20230803T013500	2023	08	03	01:35	52.6	96.1	0
20230803T014000	2023	08	03	01:40	52.6	96.3	0
20230803T014500	2023	08	03	01:45	52.9	96.3	0
20230803T015000	2023	08	03	01:50	53.1	95.8	0
20230803T015500	2023	08	03	01:55	52.9	95.2	0
20230803T020000	2023	08	03	02:00	53	95.1	0
20230803T020500	2023	08	03	02:05	53.2	94.7	0
20230803T021000	2023	08	03	02:10	53.5	94.2	0
20230803T021500	2023	08	03	02:15	53.2	93.5	0
20230803T022000	2023	08	03	02:20	53.1	93.6	0
20230803T022500	2023	08	03	02:25	53.1	93.6	0
20230803T023000	2023	08	03	02:30	53.1	93.5	0
20230803T023500	2023	08	03	02:35	52.9	93.2	0
20230803T024000	2023	08	03	02:40	52.8	93.4	0
20230803T024500	2023	08	03	02:45	52.8	93.3	0
20230803T025000	2023	08	03	02:50	52.9	94	0
20230803T025500	2023	08	03	02:55	52.9	93.7	0
20230803T030000	2023	08	03	03:00	52.9	93.3	0
20230803T030500	2023	08	03	03:05	52.4	92.9	0
20230803T031000	2023	08	03	03:10	51.5	93.7	0
20230803T031500	2023	08	03	03:15	51.4	95.1	0
20230803T032000	2023	08	03	03:20	51.4	95.9	0
20230803T032500	2023	08	03	03:25	51.8	96.3	0
20230803T033000	2023	08	03	03:30	51.9	96	0
20230803T033500	2023	08	03	03:35	51.2	95.8	0
20230803T034000	2023	08	03	03:40	51.3	96.5	0
20230803T034500	2023	08	03	03:45	51.6	96.7	0
20230803T035000	2023	08	03	03:50	52.2	96.7	0
20230803T035500	2023	08	03	03:55	52.6	96.4	0
20230803T040000	2023	08	03	04:00	52.4	95.7	0
20230803T040500	2023	08	03	04:05	52.5	94.6	0
20230803T041000	2023	08	03	04:10	52.7	94.3	0
20230803T041500	2023	08	03	04:15	52.3	93.8	0
20230803T042000	2023	08	03	04:20	52.1	94.1	0
20230803T042500	2023	08	03	04:25	52.1	94.3	0

Table C-1: Summer SUNY MesoNet Meteorological Data (Morrisville Station)

Raw Date/Time	Year	Month	Day	Time	Temperature [F]	Relative Humidity [%]	Precipitation [in]
20230803T043000	2023	08	03	04:30	52.4	94.3	0
20230803T043500	2023	08	03	04:35	52.5	94	0
20230803T044000	2023	08	03	04:40	52.3	93.5	0
20230803T044500	2023	08	03	04:45	52.4	93.4	0
20230803T045000	2023	08	03	04:50	52.1	93.4	0
20230803T045500	2023	08	03	04:55	52.2	93.4	0
20230803T050000	2023	08	03	05:00	52.2	93.3	0
20230803T050500	2023	08	03	05:05	52.2	93.5	0
20230803T051000	2023	08	03	05:10	51.8	93.8	0
20230803T051500	2023	08	03	05:15	51.3	94.2	0
20230803T052000	2023	08	03	05:20	51.1	95.1	0
20230803T052500	2023	08	03	05:25	51.1	95.8	0
20230803T053000	2023	08	03	05:30	51.2	96.3	0
20230803T053500	2023	08	03	05:35	51.2	96.6	0
20230803T054000	2023	08	03	05:40	51.3	96.7	0
20230803T054500	2023	08	03	05:45	51.4	96.8	0
20230803T055000	2023	08	03	05:50	51.6	96.8	0
20230803T055500	2023	08	03	05:55	52.3	96.5	0
20230803T060000	2023	08	03	06:00	52	95.6	0
20230803T060500	2023	08	03	06:05	52.4	95	0
20230803T061000	2023	08	03	06:10	52.2	94.4	0
20230803T061500	2023	08	03	06:15	52.1	94.2	0
20230803T062000	2023	08	03	06:20	52.2	94.4	0
20230803T062500	2023	08	03	06:25	52.4	94.2	0
20230803T063000	2023	08	03	06:30	52.8	93.7	0
20230803T063500	2023	08	03	06:35	52.9	93.1	0
20230803T064000	2023	08	03	06:40	53.1	92.7	0
20230803T064500	2023	08	03	06:45	53.2	92.4	0
20230803T065000	2023	08	03	06:50	53.5	92	0
20230803T065500	2023	08	03	06:55	54.2	91.3	0
20230803T070000	2023	08	03	07:00	54.4	89.6	0
20230803T070500	2023	08	03	07:05	54.8	89.3	0
20230803T071000	2023	08	03	07:10	55.2	88.9	0
20230803T071500	2023	08	03	07:15	55.8	88.9	0
20230803T072000	2023	08	03	07:20	56.6	88.7	0
20230803T072500	2023	08	03	07:25	57.3	86.6	0
20230803T073000	2023	08	03	07:30	58.8	84.9	0
20230803T073500	2023	08	03	07:35	59.7	82	0
20230803T074000	2023	08	03	07:40	60.6	79.5	0
20230803T074500	2023	08	03	07:45	60.6	79	0
20230803T075000	2023	08	03	07:50	61.1	78.7	0
20230803T075500	2023	08	03	07:55	61	79.1	0
20230803T080000	2023	08	03	08:00	60.5	79.4	0
20230803T080500	2023	08	03	08:05	60.8	80.1	0
20230803T081000	2023	08	03	08:10	59.9	81.4	0
20230803T081500	2023	08	03	08:15	60.7	82.1	0
20230803T082000	2023	08	03	08:20	62.1	78.6	0
20230803T082500	2023	08	03	08:25	62.7	77.6	0
20230803T083000	2023	08	03	08:30	63.5	74.6	0
20230803T083500	2023	08	03	08:35	63.7	73.4	0
20230803T084000	2023	08	03	08:40	64	73.4	0
20230803T084500	2023	08	03	08:45	64.7	72.9	0
20230803T085000	2023	08	03	08:50	65.1	71.4	0
20230803T085500	2023	08	03	08:55	65.4	71.3	0